

## PERFORMANCE

### Processor

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

### AI PC Category<sup>[1]</sup>

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<sup>[2]</sup>

Up to 64GB DDR5-6400 offering

### Storage

1TB SSD M.2 2280 PCIe® 5.0x4 Performance NVMe®

### 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

### 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, Russian

### 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)<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)

## CONNECTIVITY

### WLAN + Bluetooth<sup>[6]</sup>

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

## 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

<b>TopSeller</b>	: No	<b>Announce Date</b>	: 2025-04-10
<b>EAN / UPC / JAN</b>	: 198156545701	<b>End of Support</b>	: 2031-04-07



Product image is a sample, it may not match the real color of this model

· Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

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

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## Recommended Accessories



### Lenovo Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

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...



### Lenovo Essential USB Mouse

4Y50R20863

The Lenovo Essential USB Mouse is more than your basic mouse. It features an easy plug-and-play connection to PCs with USB cord. The ergonomic full-size design provides comfortable grip for all day comfort. A high-re...

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

**Lenovo**

**PSREF**  
Product Specifications  
Reference