

## 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™ 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

2TB 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, German

### 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)

## SOFTWARE

### Operating System

Windows® 11 Home, German

### Bundled Software

Office Trial

## 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

### Included Upgrade

2Y Premium Care with Onsite upgrade from 2Y Courier/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>	: 2025-03-29
<b>EAN / UPC / JAN</b>	: 198158238403	<b>End of Support</b>	: 2031-03-08

Note:

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

<sup>[2]</sup> The max memory is based on the test results with current Lenovo memory offerings.

<sup>[3]</sup> The storage capacity supported is based on the test results with current Lenovo storage offerings.

<sup>[4]</sup> The system dimensions may vary depending on configurations.

<sup>[5]</sup> The system weight is approximate and based on results in.....

• 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
- Onsite Support
- Technician Installed Customer
- 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...

## Recommended Services

BEST	4Y Premium Care upgrade from 2Y Premium Care (5WS1C83325)
BETTER	3Y Premium Care upgrade from 2Y Premium Care (5WS1C83323)

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



**PSREF**  
Product Specifications  
Reference