

PERFORMANCE

Processor

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

AI PC Category^[1]

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^[2]

2x 32GB SO-DIMM DDR5-5200

Memory Slots

Four DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[3]

Up to 192GB DDR5-4000 offering

Storage

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

Storage Slot

Four M.2 slots

- One M.2 2280 PCIe® 5.0 x4 slot
- Three M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support^[4]

- Up to four drives, 4x M.2 SSD
- M.2 2280 SSD up to 2TB each

Optical

None

Card Reader

SD Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

6 stereo speakers, 2W x4 (woofers), 2W x2 (tweeters), optimized with Nahimic Audio, Smart Amplifier (AMP)

Microphone

2x, Array

Camera

5.0MP + IR with E-shutter

Battery

99.9Wh

Power Adapter

400W Slim Tip (3-pin)

Special Features

AI Chip: LA3-P

DESIGN

Display^[5]^[6]

18" WQUXGA (3840x2400) IPS 520nits Glossy, 100% DCI-P3, 240Hz / 440Hz, Dolby Vision®, G-SYNC®, DisplayHDR™ 400

Touchscreen

None

Screen-to-Body Ratio

93.1% AAR (active area ratio)

Color Calibration

Factory Color Calibration

Pen

Pen Not Supported

Keyboard

Per-key RGB Backlit (with Lighting Lens), Portuguese

Touchpad

Buttonless glass surface multi-touch touchpad, supports Precision TouchPad (PTP), 95 x 150 mm (3.74 x 5.91 inches)

Dimensions (WxDxH)^[7]

403 x 296.9 x 23.9-27.95 mm (15.87 x 11.69 x 0.94-1.10 inches)

Weight^[8]

Around 3.5 kg (7.72 lbs)

Case Color

Eclipse Black

Case Material

Aluminium + Forged Carbon (Top), Aluminium (Bottom)

Surface Treatment

Forged Carbon (Soft Painted)

SOFTWARE

Operating System

Windows® 11 Home, Portuguese / English

Bundled Software

Office Trial

CONNECTIVITY

WLAN + Bluetooth^[9]

Intel® Killer™ Wi-Fi® 7 BE1750x, 802.11be 2x2 + BT.5.4

WWAN

Non-WWAN

Ethernet

2.5GbE (RJ-45)

Standard Ports^[10]

- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)
- 2x Thunderbolt™ 5, with USB PD 95-100W 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 Card reader
- 1x Power connector

Docking

Various docking solutions supported via Thunderbolt™. For more compatible docking solutions, please visit [Docking for Legion 9 18IAX10](#)

SECURITY & PRIVACY

Security Chip

Firmware TPM 2.0 Enabled

Fingerprint Reader

None

Other Security

E-shutter

SERVICE

Base Warranty

3-year, Courier or Carry-in

Included Upgrade

None

ACCESSORIES

Bundled Accessories

None

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- RoHS compliant

Other Certifications

- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)
- UL Solutions - Gaming Performance and Comfort (GOLD)

MODEL

TopSeller	: No	Announce Date	: 2025-07-18
EAN / UPC / JAN	: 199272323730	End of Support	: 2031-06-05

· Lenovo reserves the right to change specifications without notice.

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

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'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 USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.



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...

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



PSREF
Product Specifications
Reference