Legion 9 18IAX10 83EY000RLM

Lenovo

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[1]

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 SODIMM DDR5-5200

Memory Slots
Four DDR5 SODIMM slots, dual-channel capable

Max Memory[2]
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[3]
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[4]
18" WQUXGA (3840x2400) IPS 520nits Glossy, 100% DCI-P3, 240Hz / 440Hz , Dolby Vision®, G-SYNC®, DisplayHDR™ 400[5]

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), Spanish (LA)

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

Dimensions (WxDxH)[6]
403 x 296.9 x 23.9-27.95 mm (15.87 x 11.69 x 0.94-1.10 inches)

Weight[7]
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 Single Language, Spanish

Bundled Software
Office Trial + Lenovo® AI Now

CONNECTIVITY

WLAN + Bluetooth
Intel® Killer™ Wi-Fi® 7 BE1750x, 802.11be 2x2 + BT5.4

WWAN
WWAN Not Supported

Ethernet
2.5GbE (RJ-45)

Standard Ports
- 1x Slim tip Power connector
- 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[8]
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (2.5GbE RJ-45)
- 1x Card reader

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
1-year, Courier or Carry-in

Included Upgrade
None

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications
- ErP Lot 3
- RoHS compliant

Other Certifications
- CQC Portable Artificial Intelligence Computer (AIPC) Highest Graded Evaluation
- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland® Low Blue Light (Hardware Solution)
- UL Solutions - Gaming Performance and Comfort (GOLD)

MODEL

TopSeller	: Yes	**EAN / UPC / JAN**	: 199271251003
Announce Date	: 2025-05-21	**End of Support**	: 2031-06-05

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] To achieve max refresh rate of 440Hz, please set HSR-on in BIOS while resolution will be downgraded to 1920x1200.

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice.

To see more note information, please access the web page.

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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.

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

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Recommended Accessories

Peru

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

Lenovo Legion M220 Wireless RGB Gaming Mouse GY51U28359

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)

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