



PERFORMANCE

**Processor**  
Intel® Core Ultra 9 285K, 24C (8P + 16E) / 24T, Max Turbo up to 5.6GHz, 40MB

**AI PC Category**  
AI-Powered Gaming PC<sup>[1]</sup>

**NPU**  
Integrated Intel® AI Boost, up to 13 TOPS

**Graphics**<sup>[2]</sup>  
NVIDIA® GeForce RTX™ 5080 16GB GDDR7

**Chipset**  
Intel® Z890 Chipset

**Memory**<sup>[3]</sup>  
2x 16GB UDIMM DDR5-5600

**Memory Slots**  
Four DDR5 UDIMM/CUDIMM slots, dual-channel capable

**Max Memory**<sup>[4]</sup>  
Up to 128GB DDR5-5600

**Storage**  
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

**Max Storage Support**<sup>[5]</sup>  
Up to six drives, 2x 3.5” HDD + 4x M.2 SSD • 3.5” HDD up to 2TB • M.2 SSD up to 2TB

**Card Reader**  
None

**Optical**  
None

**Audio Chip**  
High Definition (HD) Audio, Realtek® ALC1220 codec

**Speakers**  
No speakers

**Power Supply**  
850W 90%

DESIGN

**Keyboard**  
None

**Mouse**  
None

**Expansion Slots**  
• One PCIe® 5.0 x16  
• One PCIe® 4.0 x16 (x4 signal)  
• One PCIe® 3.0 x1  
• Five M.2 slots (one for WLAN, four for SSDs)

**Case Color**  
Storm Grey

**System Lighting**

Legion Lighting + Internal Ambient Lighting

**Chassis**  
Inner Decorate Cover + Transparent Cover

**Cooler**  
3x 120MM liquid cooler with ARGB Light + PCH Heatsink + VRM Heatsink

**System Fan**  
1x Rear with ARGB + 2x Top with ARGB + 3x Front ARGB (Include in liquid cooler module)

**Form Factor**  
Tower (34L)

**Dimensions (WxDxH)**  
211 x 446 x 489.93 mm (8.3 x 17.55 x 19.28 inches)

**Weight**<sup>[6]</sup>  
Around 18 kg (39.68 lbs)

CONNECTIVITY

**WLAN + Bluetooth**  
Wi-Fi® 7, 802.11be 2x2 + BT5.4

**WWAN**  
Non-WWAN

**Ethernet**  
2.5GbE RTL8125BG

**Top Ports**  
• 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)  
• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
• 2x USB-A (Hi-Speed USB / USB 2.0)  
• 1x headphone / microphone combo jack (3.5mm)

**Rear Ports**<sup>[7]</sup>  
• 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.1 and DisplayPort™ 2.1<sup>[8]</sup>  
• 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)  
• 2x USB-A (Hi-Speed USB / USB 2.0)  
• 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
  
• 1x DisplayPort™ 1.4<sup>[9]</sup>  
• 1x Ethernet (2.5GbE RJ-45)  
• 1x Power connector  
• 6x Audio connectors

SECURITY & PRIVACY

**Security Chip**  
Firmware TPM 2.0 integrated in chipset

SERVICE

**Base Warranty**  
2-year, Courier or Carry-in  
**Included Upgrade**  
3Y Premium Care with Onsite upgrade from 2Y Courier/Carry-in

CERTIFICATIONS

**Green Certifications**  
• ErP Lot 3  
• RoHS compliant

SOFTWARE

**Operating System**  
None  
**Bundled Software**  
None

MODEL

**TopSeller** : No **EAN / UPC / JAN:** 199273238866  
**Announce Date:** 2025-10-08 **End of Support** : 2030-11-25



Product image is a sample, it may not match the real color of this model  
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 information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).  
[3] Installed memory is actually DDR5-6400 but may run as DDR5-5600 or less depending on the memory support capability of Intel.  
[4] The max memory is based on the test results with current Lenovo memory offerings.  
[5] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.  
[6] 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.  
[7] For video ports on discrete graphics, please see [graphics section](#)  
[8] For some models, this connector does not support display function.  
[9] DisplayPort out connector are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).  
· Lenovo reserves the right to change specifications without notice.

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.



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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.

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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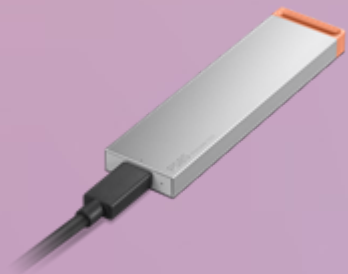
Recommended Accessories



Lenovo Legion M220 Wireless RGB Gaming Mouse GY51U28359



Lenovo Wired VoIP Headset 5000 4XD1R88995



Lenovo PS8S Portable SSD 4TB 4XB1T91892

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



PSREF  
Product Specifications  
Reference