

PERFORMANCE

- Processor**  
Intel® Core™ Ultra 7 255HX, 20C (8P + 12E) / 20T, Max Turbo up to 5.2GHz, 30MB
- AI PC Category**<sup>[1]</sup>  
AI-Powered Gaming PC
- NPU**  
Integrated Intel® AI Boost, up to 13 TOPS
- Graphics**<sup>[2]</sup>  
NVIDIA® GeForce RTX™ 5070 12GB GDDR7
- Chipset**  
Intel® HM870 Chipset
- Memory**<sup>[3]</sup>  
2x 16GB SO-DIMM DDR5-5600
- Memory Slots**  
Two DDR5 SO-DIMM/CSODIMM slots, dual-channel capable
- Max Memory**<sup>[4]</sup>  
Up to 64GB DDR5-6400
- Storage**  
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support**<sup>[5]</sup>  
Up to four drives, 1x 3.5" HDD + 3x M.2 SSD  
• 3.5" HDD bay only for customer self upgrade  
• M.2 SSD up to 2TB each
- Card Reader**  
None
- Optical**  
None
- Audio Chip**  
High Definition (HD) Audio, Realtek® ALC623 codec
- Speakers**  
No speakers
- Power Supply**  
500W 85%
- DESIGN**
- Keyboard**  
None
- Mouse**  
None
- Expansion Slots**  
• One PCIe® 5.0 x16  
• One PCIe® 3.0 x4  
• Four M.2 slots (one for WLAN, three for SSD)
- Case Color**  
Eclipse Black
- System Lighting**  
None

- Chassis**  
Transparent Cover + Inner Decorate Cover
- Cooler**  
PCH Heatsink + SSD Heatsink + VRM Heatsink + 200W 240MM-Fan liquid with ARGB light
- System Fan**  
1x Rear with ARGB
- Pen**  
Pen Not Supported
- Form Factor**  
Tower (30L)
- Dimensions (WxDxH)**<sup>[6]</sup>  
211 x 490.4 x 414 mm (8.3 x 19.3 x 16.29 inches)
- Weight**<sup>[7]</sup>  
Around 15 kg (33.06 lbs)
- CONNECTIVITY**
- WLAN + Bluetooth**<sup>[8]</sup>  
Wi-Fi® 7, 802.11be 2x2 + BT5.4
- WWAN**  
Non-WWAN
- Ethernet**  
2.5GbE RTL8125BG
- Top Ports**  
• 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1)  
• 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
• 1x headphone / microphone combo jack (3.5mm)
- Rear Ports**<sup>[9]</sup>  
• 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2)  
• 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)  
• 4x USB-A (Hi-Speed USB / USB 2.0)  
• 1x DisplayPort™ 1.4  
• 1x Ethernet (2.5GbE RJ-45)  
• 1x power connector  
• 3x audio out (5.1 channel)

SECURITY & PRIVACY

- Security Chip**  
Firmware TPM 2.0 integrated in chipset

SERVICE

- Base Warranty**  
2-year, Courier or Carry-in
- Included Upgrade**  
<= 3 Months Premium Care

CERTIFICATIONS

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

SOFTWARE

- Operating System**  
Windows® 11 Home, German
- Bundled Software**  
None

MODEL

- |                 |                |                |              |
|-----------------|----------------|----------------|--------------|
| TopSeller       | : No           | Announce Date  | : 2025-05-20 |
| EAN / UPC / JAN | : 198158335973 | End of Support | : 2031-01-31 |



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 5600MHz or 6400Mhz , but actual frequency 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 dimensions may vary depending on configurations.
- [7] 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.
- [8] The bandwidth of WiFi 7 adapter is 160 MHz.
- [9] For video ports on discrete graphics, please see graphics section.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2552?M=90YE001WGF>

## 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 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...

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

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**PSREF**  
Product Specifications  
Reference