

PERFORMANCE

- Processor**
Intel® Core™ i5-12450HX, 8C (4P + 4E) / 12T, P-core up to 4.4GHz, E-core up to 3.1GHz, 12MB
- AI PC Category**^[1]
AI-Powered Gaming PC
- Graphics**
NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2145MHz, TGP 65W, 194 AI TOPS
- Chipset**
Intel® HM670 Chipset
- Memory**^[2]
1x 16GB SO-DIMM DDR5-4800
- Memory Slots**
One DDR5 SO-DIMM slot
- Max Memory**
Up to 32GB DDR5-4800
- Storage**
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
- Storage Slot**
Two M.2 2242 PCIe® 4.0 x4 slots
- Max Storage Support**^[3]
Up to two drives, 2x M.2 SSD
• M.2 2242 SSD up to 1TB each
- Optical**
None
- Card Reader**
3-in-1 Card Reader
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC3287 codec
- Speakers**
Stereo speakers, 2W x2, optimized with Nahimic Audio
- Microphone**
2x, Array
- Camera**
HD 720p with Privacy Shutter
- Battery**
57Wh
- Power Adapter**
135W Slim Tip (3-pin)

DESIGN

- Display**^[4]
15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz
- Touchscreen**
None

- Screen-to-Body Ratio**
88% AAR (active area ratio)
- Color Calibration**
None
- Pen**
Pen Not Supported
- Keyboard**
White Backlit, French
- Touchpad**
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)
- Dimensions (WxDxH)**^[5]
359.3 x 236 x 19.9-22.95 mm (14.15 x 9.29 x 0.78-0.90 inches)
- Weight**^[6]
Starting at 1.77 kg (3.9 lbs)
- Case Color**
Luna Grey
- Case Material**
PC-ABS (Top), PC-ABS (Bottom)
- Surface Treatment**
IMR (In-Mold Decoration by Roller)

SOFTWARE

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

CONNECTIVITY

- WLAN + Bluetooth®**
Wi-Fi® 6, 802.11ax 2x2 + BT5.2
- WWAN**
Non-WWAN
- Ethernet**
100/1000M (RJ-45)
- Standard Ports**
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
 - 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), data transfer only
 - 1x HDMI® 2.1, up to 8K/60Hz
 - 1x Headphone / microphone combo jack (3.5mm)
 - 1x Ethernet (RJ-45)
 - 1x Card reader
 - 1x Power connector

SECURITY & PRIVACY

- Security Chip**
Firmware TPM 2.0 Enabled

- Fingerprint Reader**
None
- Other Security**
Camera privacy shutter

SERVICE

- Base Warranty**
2-year, Courier or Carry-in
- Included Upgrade**
None

ACCESSORIES

- Bundled Accessories**
None

CERTIFICATIONS

- Green Certifications**
- ErP Lot 6/26
 - RoHS compliant

MODEL

- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : No | Announce Date | : 2025-07-17 |
| EAN / UPC / JAN | : 199272308058 | End of Support | : 2030-10-28 |



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] Installed memory is actually DDR5-5600 but may run as DDR5-4800 depending on the memory support capability of processor.

[3] The storage capacity supported is based on the test.....

• Lenovo reserves the right to change specifications without notice.

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

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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 Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

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

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PSREF
Product Specifications
Reference