

**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<sup>[1]</sup>**

AI-Powered Gaming PC

**Graphics**

NVIDIA® GeForce RTX™ 3050 6GB GDDR6, Boost Clock 1732MHz, TGP 95W

**Chipset**

Intel® HM670 Chipset

**Memory**

2x 12GB SO-DIMM DDR5-4800

**Memory Slots**

Two DDR5 SO-DIMM slots, dual-channel capable

**Max Memory<sup>[2]</sup>**

Up to 32GB DDR5-4800

**Storage**

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

**Storage Slot**

Two M.2 2280 PCIe® 4.0 x4 slots

**Max Storage Support<sup>[3]</sup>**

Up to two drives, 2x M.2 SSD

- M.2 2242 SSD up to 1TB each

**Optical**

None

**Card Reader**

None

**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 E-shutter

**Battery**

60Wh

**Power Adapter**

170W Slim Tip (3-pin)

**Special Features**

AI Chip: LA1

**DESIGN****Display<sup>[4]</sup>**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz, G-SYNC®

**Touchscreen**

None

**Screen-to-Body Ratio**

88% AAR (active area ratio)

**Color Calibration**

None

**Pen**

Pen Not Supported

**Keyboard**

White Backlit, Russian

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 75 x 120 mm (2.95 x 4.72 inches)

**Dimensions (WxDxH)<sup>[5]</sup>**

359.86 x 258.7 x 21.9-23.9 mm (14.17 x 10.19 x 0.86-0.94 inches)

**Weight<sup>[6]</sup>**

Starting at 2.38 kg (5.25 lbs)

**Case Color**

Luna Grey

**Case Material**

PC-ABS (Top), PC-ABS (Bottom)

**Surface Treatment**

Painting

**SOFTWARE****Operating System**

None

**Bundled Software**

None

**CONNECTIVITY****WLAN + Bluetooth<sup>[7]</sup>**

Wi-Fi® 6, 802.11ax 2x2 + BT5.2

**WWAN**

Non-WWAN

**Ethernet**

100/1000M (RJ-45)

**Standard Ports**

- 3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 1.4
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x Power connector

**Docking**

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for LOQ™ 15IAX9](#)

**SECURITY & PRIVACY****Security Chip**

Firmware TPM 2.0 Enabled

**Fingerprint Reader**

None

**Other Security**

E-shutter

**SERVICE****Base Warranty**

2-year, Courier or Carry-in

**Included Upgrade**

None

**ACCESSORIES****Bundled Accessories**

None

**CERTIFICATIONS****Green Certifications**

- ErP Lot 3
- RoHS compliant

**Mil-Spec Test**

MIL-STD-810H military test passed

**Other Certifications**

TÜV Rheinland® Low Blue Light (Software Solution)

**MODEL**

**TopSeller** : No

**EAN / UPC / JAN** : 198157470408

**Announce Date** : 2025-02-19

**End of Support** : 2029-12-22

**Note:**

<sup>[1]</sup> AI-Powered Gaming PCs feature Lenovo AI Engine+ and NVIDIA GeForce RTX GPUs to handle AI-driven tasks and deliver exceptional gaming performance.

<sup>[2]</sup> Maximum memory is only to test technical readiness of notebook. Available memory to sell would vary.

<sup>[3]</sup> The storage capacity supported is based on the test results with current Lenovo storage offerings.

<sup>[4]</sup> IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

<sup>[5]</sup> The system dimensions may vary depending on configurations.

<sup>[6]</sup> The system weight is approximate and based on results in.....

• Lenovo reserves the right to change specifications without notice.

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

## 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.



### 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.



### 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.

## 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 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...



### Lenovo USB-C 7-in-1 Hub

4X90V55523

Travel - Ready Productivity. One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo USB-C 7-in-1 Hub fits unlimited productivity i...

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



**PSREF**  
Product Specifications  
Reference