

**PERFORMANCE****Processor**

Intel® Core i5-12450HX, 8C (4P + 4E) / 12T, P-core up to 4.4GHz, E-core up to 3.1GHz, 12MB Intel Smart Cache

**AI PC Category**

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

**Graphics**

NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2370MHz, TGP 105W

**Chipset**

Intel® HM670 Chipset

**Memory**

2x 8GB SODIMM DDR5-4800

**Memory Slots**

Two DDR5 SODIMM slots, dual-channel capable

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

Up to 32GB DDR5-4800

**Storage**

1TB 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, Spanish (LA)

**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**

Windows® 11 Home Single Language, Spanish

**Bundled Software**

Office Trial

**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**

1-year, Courier or Carry-in

**Included Upgrade**

None

**ACCESSORIES****Bundled Accessories**

Lenovo® LOQ™ M100 RGB Mouse

**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 : Yes EAN / UPC / JAN: 198153197439

Announce Date: 2024-02-20 End of Support : 2029-12-22

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] Maximum memory is only to test technical readiness of notebook. Available memory to sell would vary.

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

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

[5] The system dimensions may vary depending on configurations.

[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] Wi-Fi 6 full features might be limited by country-level restrictions.

• 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.



### 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.



### 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.

## 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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

## Recommended Accessories



Lenovo Legion 17" Gaming Backpack GB800 (Light Gray) GX41U39300



Lenovo Wired VoIP Headset 5000 4XD1R88995

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

## Recommended Services

BETTER	3Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in (5WS0T73714)
GOOD	3Y Onsite upgrade from 1Y Courier/Carry-in (5WS0K75648)

**Lenovo**

**PSREF**  
Product Specifications  
Reference