

**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**

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

**Graphics**

NVIDIA® GeForce RTX™ 3050A 4GB GDDR6, Boost Clock 2145MHz, TGP 65W

**Chipset**

Intel® HM670 Chipset

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

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<sup>[3]</sup>**

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**

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz<sup>[4]</sup>

**Touchscreen**

None

**Screen-to-Body Ratio**

88% AAR (active area ratio)

**Color Calibration**

None

**Pen**

Pen Not Supported

**Keyboard**

White Backlit, English

**Touchpad**

Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)

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

359.3 x 236 x 19.9-22.95 mm (14.15 x 9.29 x 0.78-0.90 inches)

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

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**

Windows® 11 Home Single Language, English

**Bundled Software**

Office Home 2024

**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**

1-year, Courier or Carry-in

**Included Upgrade**

1Y Accidental Damage Protection Add On, 1Y Onsite upgrade from 1Y Depot/CCI delivery

**ACCESSORIES****Bundled Accessories**

None

**CERTIFICATIONS****Green Certifications**

- ErP Lot 6/26
- RoHS compliant

**MODEL**

TopSeller : Yes

Announce Date: 2025-02-18

EAN / UPC / JAN: 198156846228

End of Support : 2030-10-28

**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 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.

• Lenovo reserves the right to change specifications without notice.

## Premium Care - Advanced Support from Real People. Real Fast.



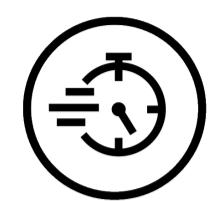
### REAL PERSON

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

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## Recommended Accessories



Lenovo Self-Charging Bluetooth Keyboard-  
French Canadian 058 4Y41R69498



Lenovo Wired VoIP Headset 5000  
4XD1R88995



Lenovo Essential FHD Webcam Gen2  
4XC1S15018

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



**PSREF**  
Product Specifications  
Reference