

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™ 3050 6GB GDDR6, Boost Clock 1432MHz, TGP 65W, 142 AI TOPS

Chipset
Intel® HM670 Chipset

Memory^[2]
1x 8GB 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
Non-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)^[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
Windows® 11 Home, English

Bundled Software
Office Trial

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
None

ACCESSORIES

Bundled Accessories
None

CERTIFICATIONS

Green Certifications

- ErP Lot 6/26
- RoHS compliant

MODEL

TopSeller	: No	Announce Date	: 2025-01-24
EAN / UPC / JAN	: 198157086678	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](#).

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.

Recommended Services

BEST	3Y Premium Care Plus upgrade from 1Y Courier/Carry-in (5WS1J38620)
BETTER	3Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in (5WS0T73714)
GOOD	3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in (5WS0K75663)

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



PSREF
Product Specifications
Reference