



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^[1]

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

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
15.6” FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz^[4]

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)^[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 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 **EAN / UPC / JAN:** 198156846228
Announce Date: 2025-02-18 **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.
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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