

PERFORMANCE

Processor
Intel® Core™ i5-12450H, 8C (4P + 4E) / 12T, P-core 2.0 / 4.4GHz, E-core 1.5 / 3.3GHz, 12MB

Graphics
NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2370MHz, TGP 100W

Chipset
Intel® SoC Platform

Memory
2x 8GB SO-DIMM DDR5-4800

Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[1]
Up to 16GB DDR5-4800 offering

Storage
512GB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support^[2]
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB

Storage Slot
Two M.2 2280 PCIe® 4.0 x4 slots

Card Reader
4-in-1 Card Reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers
Stereo speakers, 2W x2, optimized with Nahimic Audio

Camera
FHD 1080p with E-shutter

Microphone
2x, Array

Battery
Integrated 80Wh

Power Adapter
170W Slim Tip (3-pin)

Special Features
• AI Chip: LA1
• Legion Coldfront 5.0 cooling system

DESIGN

Display^[3]
16" WUXGA (1920x1200) IPS 300nits Anti-glare, 45% NTSC, 144Hz, G-SYNC®

Touchscreen
None

Color Calibration
None

Keyboard
White Backlit, German

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

Case Color
Storm Grey

Surface Treatment
Anodizing

Case Material
Aluminium (Top), PC-ABS (Bottom)

Dimensions (WxDxH)^[4]
359.7 x 260.3 x 19.9-21.9mm (14.16 x 10.25 x 0.78-0.86 inches)

Weight^[5]
Less than 2.4 kg (5.29 lbs)

SOFTWARE

Operating System
Windows® 11 Home, German

Bundled Software
Office Trial

CONNECTIVITY

Ethernet
100/1000M (RJ-45)

WLAN + Bluetooth^[6]^[7]
Wi-Fi® 6E, 11ax 2x2 + BT5.3

Standard Ports

- 1x USB 3.2 Gen 2
- 1x USB 3.2 Gen 2 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer and DisplayPort™ 1.4)
- 1x USB-C® 3.2 Gen 2 (support data transfer, Lenovo® Power Delivery 140W and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 8K/30Hz
- 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
E-shutter

SERVICE

Base Warranty
2-year, Courier or Carry-in

Included Upgrade
<= 3 Months Premium Care

ACCESSORIES

Bundled Accessories^[8]
None

CERTIFICATIONS

Green Certifications
• ErP Lot 6
• ErP Lot 26
• RoHS compliant

MODEL

TopSeller	: Yes	Announce Date	: 2023-06-27
EAN / UPC / JAN	: 197532184404	End of Support	: 2029-05-07

Note:
^[1] The max memory is based on the test results with current Lenovo memory offerings.
^[2] The storage capacity supported is based on the test results with current Lenovo storage offerings.
^[3] IPS (in-plane switching) technology may refer to IPS,.....
 · Lenovo reserves the right to change specifications without notice.
 To see more note information, please link to
<https://psref.lenovo.com/Detail/2213?M=82YA00DQGE>

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 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...



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.

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

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PSREF
Product Specifications
Reference