

PERFORMANCE

Processor

Intel® Core™ i5-13450HX, 10C (6P + 4E) / 16T, P-core 2.4 / 4.6GHz, E-core 1.8 / 3.4GHz, 20MB

AI PC Category

AI-Powered Gaming PC

Graphics

NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2370MHz, TGP 105W, 194 AI TOPS

Chipset

Intel® HM770 Chipset

Memory

1x 16GB SO-DIMM DDR5-4800

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory^[1]

Up to 32GB DDR5-4800

Storage

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support^[2]

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

FHD 1080p with E-shutter

Battery

60Wh

Power Adapter^[3]

170W Slim Tip (3-pin)

Special Features

AI Chip: LA1

DESIGN

Display^[4]

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, Arabic

Touchpad

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

Dimensions (WxDxH)^[5]

359.86 x 258.7 x 21.9-23.9 mm (14.17 x 10.19 x 0.86-0.94 inches)

Weight^[6]

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

None

Bundled Software

None

CONNECTIVITY

WLAN + Bluetooth^[7]

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™ 15IRX9](#)

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

2Y Courier/Carry-in upgrade from 1Y Courier/Carry-in

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	: No	Announce Date	: 2025-04-28
EAN / UPC / JAN	: 199271166062	End of Support	: 2029-12-13

Note:

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

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

[3] BIOS settings can be optimized to boost system overall performance on 170W AC adapter systems (power from battery + AC adapter will be combined to increase system TGP temporarily).

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

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

• 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



ThinkPad Mobile Workstation Slim 230W AC Adapter (Slim-tip) - US/Can

4X20S56713

The ThinkPad 230W Slim AC adapter is the new adapter with slim and small design. It is your perfect replacement or spare power adapter for your ThinkPad Mobile Workstation machines. ;



Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...

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



PSREF
Product Specifications
Reference