

PERFORMANCE

- Processor

AMD Ryzen™ 5 8645HS (6C / 12T, 4.3 / 5.0GHz, 6MB L2 / 16MB L3)
- NPU

AMD Ryzen™ AI integrated in AMD Ryzen™ 8000 processor
- Graphics

NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2370MHz, TGP 105W
- Chipset

AMD SoC Platform
- Memory

1x 16GB SO-DIMM DDR5-5600
- Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory^[1]

Up to 32GB DDR5-5600
- Storage

512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
- Storage Support^[2]

Up to two drives, 2x M.2 SSD
 - M.2 2242 SSD up to 1TB
- Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots
- Card Reader

None
- 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 60Wh
- Power Adapter

170W Slim Tip (3-pin)
- Special Features

AI Chip: LA1

DESIGN

- Display^[3]

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 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

Luna Grey
- Surface Treatment

Painting
- Case Material

PC-ABS (Top), PC-ABS (Bottom)
- Dimensions (WxDxH)^[4]

359.86 x 258.7 x 21.9-23.9 mm (14.17 x 10.19 x 0.86-0.94 inches)
- Weight^[5]

Starting at 2.38 kg (5.25 lbs)
- SOFTWARE

Operating System

Windows® 11 Home, German
- Bundled Software

Office Trial

CONNECTIVITY

- Ethernet

100/1000M (RJ-45)
- WLAN + Bluetooth^[6]^[7]

Wi-Fi® 6, 11ax 2x2 + BT5.2
- 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 15AHP9](#)

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 3
 - RoHS compliant
- Other Certifications

TÜV Rheinland® Low Blue Light (Software Solution)
- Mil-Spec Test

MIL-STD-810H military test passed

MODEL

- TopSeller

: No

Announce Date

: 2024-02-07
- EAN / UPC / JAN

: 197531912916

End of Support

: 2030-02-12

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

[4] The system dimensions may vary depending on configurations.

[5] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2403?M=83DX0046GE>

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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 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...



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...

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

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PSREF
Product Specifications
Reference