

PERFORMANCE

- Processor**  
AMD Ryzen™ 7 7435HS (8C / 16T, 3.1 / 4.5GHz, 4MB L2 / 16MB L3)
- AI PC Category**  
AI-Powered Gaming PC
- Graphics**  
NVIDIA® GeForce RTX™ 4070 8GB GDDR6, Boost Clock 2175MHz, TGP 140W, 321 AI TOPS
- Chipset**  
AMD SoC Platform
- Memory<sup>[1]</sup>**  
1x 16GB SO-DIMM DDR5-4800
- Memory Slots**  
Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory<sup>[2]</sup>**  
Up to 64GB DDR5-4800
- Storage**  
512GB SSD M.2 2242 PCIe® 4.0x4 NVMe®
- Storage Support<sup>[3]</sup>**  
Up to two drives, 2x M.2 SSD  
• M.2 2242 SSD up to 1TB  
• M.2 2280 SSD up to 1TB
- Storage Slot**  
Two M.2 2280 PCIe® 4.0 x4 slots
- Card Reader**  
SD 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**  
230W Slim Tip (3-pin)
- Special Features**  
AI Chip: LA1

DESIGN

- Display**  
16" WQXGA (2560x1600) IPS 350nits Anti-glare, 100% sRGB, 165Hz, Dolby Vision®, G-SYNC®, Free-Sync Premium, Low Blue Light
- Touchscreen**  
None
- Color Calibration**  
Factory Color Calibration
- Keyboard**  
White Backlit, French
- Touchpad**  
Buttonless Mylar® surface multi-touch touchpad, 75 x 120 mm (2.95 x 4.72 inches)
- Case Color**  
Luna Grey
- Surface Treatment**  
Aluminium Stamping (Anodized with Sandblasting)
- Case Material**  
Aluminium (Top), PC-ABS (Bottom)
- Dimensions (WxDxH)<sup>[4]</sup>**  
359.7 x 260.5 x 19.9-21.9mm (14.16 x 10.26 x 0.78-0.86 inches)
- Weight<sup>[5]</sup>**  
Around 2.3 kg (5.07 lbs)
- SOFTWARE**
- Operating System**  
None
- Bundled Software**  
None

CONNECTIVITY

- Ethernet**  
100/1000M (RJ-45)
- WLAN + Bluetooth<sup>[6]</sup><sup>[7]</sup>**  
Wi-Fi® 6E, 802.11ax 2x2 + BT5.3
- Standard Ports**
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with Lenovo® PD 140W and DisplayPort™ 1.4
  - 1x USB-A 10Gbps (USB 3.2 Gen 2)
  - 1x USB-A 10Gbps (USB 3.2 Gen 2), Always On
  - 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
- Optional Ports (configured)**  
1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)

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**  
None

ACCESSORIES

- Bundled Accessories<sup>[8]</sup>**  
Lenovo® Legion™ Gaming Speed Mouse Pad M

CERTIFICATIONS

- Green Certifications**
- ErP Lot 6
  - ErP Lot 26
  - RoHS compliant
- Other Certifications**  
TÜV Rheinland® Low Blue Light (Hardware Solution)

MODEL

|                 |                |                |              |
|-----------------|----------------|----------------|--------------|
| TopSeller       | : No           | Announce Date  | : 2024-04-25 |
| EAN / UPC / JAN | : 198153974245 | End of Support | : 2030-05-03 |

Product image is a sample, it may not match the real color of this model

Note:  
<sup>[1]</sup> Installed memory is actually DDR5-5600 but may run as.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to  
<https://psref.lenovo.com/Detail/2453?M=83EX001AFR>

## 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.



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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
- Technician Installed Customer
- Onsite Support
- 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 Professional Wireless Combo Keyboard & Mouse (US English)

4X30H56796

This sleek and stylish full-size keyboard and mouse combo offers exceptional quality in a modern wireless solution. The slim 3-zone keyboard with number pad has responsive quiet keys and a premium typing experience. O...

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

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**PSREF**  
Product Specifications  
Reference