

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
- Graphics**
NVIDIA® GeForce RTX™ 2050 4GB GDDR6, Boost Clock 1575MHz, TGP 65W
- Chipset**
Intel® HM670 Chipset
- Memory^[1]**
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 Support^[2]**
Up to two drives, 2x M.2 SSD
• M.2 2242 SSD up to 1TB
- Storage Slot**
Two M.2 2242 PCIe® 4.0 x4 slots
- Card Reader**
3-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**
HD 720p with Privacy Shutter
- Microphone**
2x, Array
- Battery**
Integrated 57Wh
- Power Adapter**
135W Slim Tip (3-pin)

DESIGN

- Display^[3]**
15.6" FHD (1920x1080) IPS 300nits Anti-glare, 100% sRGB, 144Hz
- Touchscreen**
None

- Color Calibration**
None
- Keyboard**
Non-backlit, French
- Touchpad**
Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP), 69 x 104 mm (2.72 x 4.09 inches)
- Case Color**
Luna Grey
- Surface Treatment**
IMR (In-Mold Decoration by Roller)
- Case Material**
PC-ABS (Top), PC-ABS (Bottom)
- Pen**
Pen Not Supported
- Dimensions (WxDxH)^[4]**
359.3 x 236 x 19.9-22.95 mm (14.15 x 9.29 x 0.78-0.90 inches)
- Weight^[5]**
Starting at 1.77 kg (3.9 lbs)

SOFTWARE

- Operating System**
None
- Bundled Software**
None

CONNECTIVITY

- Ethernet**
100/1000M (RJ-45)
- WLAN + Bluetooth®**
Wi-Fi® 6, 802.11ax 2x2 + BT5.2
- WWAN**
Non-WWAN
- 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**
2-year, Courier or Carry-in
- Included Upgrade**
None

ACCESSORIES

- Bundled Accessories**
None

CERTIFICATIONS

- Green Certifications**
- ErP Lot 6/26
 - RoHS compliant

MODEL

- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : No | Announce Date | : 2024-10-30 |
| EAN / UPC / JAN | : 198155161445 | End of Support | : 2030-10-28 |



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

- Note:
- [1] Installed memory is actually DDR5-5600 but may run as DDR5-4800 depending on the memory support capability of processor.
- [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 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.
- Lenovo reserves the right to change specifications without notice.
- To see more note information, please link to <https://psref.lenovo.com/Detail/2523?M=83LK0020FR>

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
- Technician Installed Customer
- Onsite Support
- 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 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