

## PERFORMANCE

### Processor<sup>[1]</sup>

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

### Graphics

Integrated Intel UHD Graphics

### Chipset

Intel SoC Platform

### Memory

1x 8GB SO-DIMM DDR4-3200

### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

### Max Memory<sup>[2]</sup>

Up to 16GB DDR4-3200

### Storage

512GB SSD M.2 2280 PCIe® 3.0x4 NVMe®

### Storage Support<sup>[3]</sup>

- Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 1TB
  - M.2 SSD up to 1TB
- For installing HDD storage, assembly kits are needed. The kits only come with HDD models.

### Card Reader

No card reader

### Optical

DVD±RW

### Audio Chip

High Definition (HD) Audio, Realtek® ALC256 codec

### Speakers

3Wx2

### Camera

5.0MP + IR

### Microphone

2x, Array

### Power Supply

90W 89% Adapter

## DESIGN

### Display<sup>[4]</sup>

23.8" FHD (1920x1080) IPS 250nits Anti-glare, 72% NTSC

### Touchscreen

None

### Keyboard

USB Calliope Keyboard, Black, Thai

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

### Case Color

Raven Black

### Stand

Monitor Stand

### Mounting

None

### Form Factor

AIO (23.8 inches)

### Dimensions (WxDxH)<sup>[5]</sup>

541 x 207.5 x 433.8 mm (21.3 x 8.17 x 17.1 inches)

### Weight<sup>[6]</sup>

Around 6.7 kg (14.8 lbs)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth<sup>[7]</sup>

Intel Wi-Fi® 6 AX201, 11ax 2x2 + BT5.1

### Rear Ports

- 2x USB 2.0
- 2x USB 3.2 Gen 2
- 1x HDMI®-out
- 1x Ethernet (RJ-45)
- 1x power connector

### Monitor Cable

No monitor cable

## SECURITY & PRIVACY

### Security Chip

Firmware TPM 2.0 integrated in SoC

## SERVICE

### Base Warranty

1-year, Onsite

### Included Upgrade

3Y Onsite upgrade from 1Y Onsite

## CERTIFICATIONS

### Green Certifications<sup>[8]</sup>

- EPEAT™ Silver Registered
- ErP Lot 3 and Lot 7
- RoHS / WEEE / REACH

### Other Certifications

- TÜV Rheinland® Flicker Free
- TÜV Rheinland Low Blue Light
- TÜV Rheinland Low Noise

## SOFTWARE

### Operating System

None

### Bundled Software

None

## MODEL

**TopSeller** : Yes **Announce Date** : 2023-03-28

**EAN / UPC / JAN** : 197529448441 **End of Support** : 2028-08-28



intel

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

[1] Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see <http://www.intel.com/technology/turboboost/> for more information.

[2] The max memory is based on the test results with current Lenovo memory offerings.

[3] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.

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

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

[6] 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.

[7] Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitations.

[8] EPEAT is registered where applicable, please see <https://www.epeat.net> for registration status by country.

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/1928?M=12CE00A8TA>

## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



Lenovo Service Connect Portal for customized reporting and product support

## 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 UltraSlim USB DVD Burner

4XA0E97775

ThinkPad UltraSlim USB DVD Burner -- is a small form factor external portable DVD and CD recordable drive that can be attached to Notebooks with USB2.0 port or USB3.0 port. With 9.5mm UltraSlim engine, 20% slimmer tha...

## Recommended Services

BEST	4Y Premier Support Plus upgrade from 3Y Onsite (5WSIL39082)
BETTER	4Y Premier Support Upgrade from 3Y Onsite (5WSOT36184)
GOOD	4Y Onsite upgrade from 3Y Onsite (5WSOD81224)

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



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Product Specifications  
Reference