

## PERFORMANCE

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

Intel® Core™ i5-13500H, 12C (4P + 8E) / 16T, P-core 2.6 / 4.7GHz, E-core 1.9 / 3.5GHz, 18MB

### Graphics<sup>[2]</sup>

Integrated Intel Iris® Xe Graphics Functions as UHD Graphics

### Chipset

Intel SoC Platform

### Memory

1x 16GB SO-DIMM DDR5-5200

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory<sup>[3]</sup>

Up to 16GB DDR5-5200

### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

### Storage Support<sup>[4]</sup>

- Up to two drives, 1x 2.5" HDD + 1x M.2 SSD
  - 2.5" HDD up to 2TB
  - 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

### Speakers

3Wx2

### Camera

5.0MP + IR

### Microphone

2x, Array

### Power Supply

180W 90%

## DESIGN

### Display<sup>[5]</sup>

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

### Touchscreen

None

### Keyboard

USB Calliope Keyboard, Black, Swiss

### 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

Supports VESA mount 100mm

### Form Factor

AIO (23.8 inches)

### Dimensions (WxDxH)<sup>[6]</sup>

541 x 209.9 x 433.7 mm (21.3 x 8.3 x 17.1 inches)

### Weight<sup>[7]</sup>

Around 7.42 kg (16.36 lbs)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth<sup>[8]</sup>

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

### Rear Ports

- 1x USB-C® 2.0 (Supports data transfer, Power Delivery 3.0)
- 2x USB-C 3.2 Gen 2
- 1x USB 2.0
- 1x USB 3.2 Gen 2 (Supports smart power-on)
- 1x HDMI®-in 1.4
- 1x HDMI-out 2.1 TMDS
- 1x Ethernet (RJ-45)
- 1x headphone / microphone combo jack (3.5mm)

### Left Ports

1x USB 3.2 Gen 1

### Monitor Cable

None

## SECURITY & PRIVACY

### Security Chip

Firmware TPM 2.0 integrated in SoC

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

## SERVICE

### Base Warranty

1-year, Courier or Carry-in

### Included Upgrade

1Y Onsite from 1Y Depot WHB (CPN)

## CERTIFICATIONS

### Green Certifications<sup>[9]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Silver Registered

### Other Certifications

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

## SOFTWARE

### Operating System

Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

### Bundled Software

None

## MODEL

TopSeller : Yes

Announce Date : 2023-01-18

EAN / UPC / JAN : 0196803993783

End of Support : N/A



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] Intel Iris Xe Graphics capability requires system to be configured with dual-channel memory. On the system with single-channel memory, Intel Iris Xe Graphics will function as Intel UHD Graphics.

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

[4] The max capacity of each disk type is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2245?M=12K9000VMZ>

## 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



### Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XEON80914

Protect your device. Lenovo offers the latest standard in device security - the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

## Recommended Services

BEST	2Y Premier Support (5WS1L39133)
BETTER	2Y Premier Support (5WSOT36191)
GOOD	2Y Onsite (5WSOD81094)

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

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**PSREF**  
Product Specifications  
Reference