

## PERFORMANCE

### Processor

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 DDR5-4800

### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

### Max Memory

Up to 16GB DDR5-4800

### Storage

256GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

### Storage Support

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

### Card Reader

No card reader

### Optical

DVD±RW

### Audio Chip

High Definition (HD) Audio, Realtek® ALC274-CG codec

### Speakers

3Wx2

### Camera

5.0MP

### Microphone

2x, Array

### Power Supply

180W 90%

## DESIGN

### Display

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

### Touchscreen

10-point Multi-touch

### Keyboard

USB Calliope Keyboard, Black, German

### Mouse

USB Calliope Mouse, Black

### Expansion Slots

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

### Case Color

Raven Black

### Stand

Liftable Monitor Stand

### Mounting

VESA mount

### Form Factor

AIO (23.8 inches)

### Dimensions (WxDxH)

541 x 220 x 482 mm (21.3 x 8.7 x 19 inches)

### Weight

Around 7.65 kg (16.9 lbs)

## CONNECTIVITY

### Ethernet

Integrated 100/1000M

### WLAN + Bluetooth®

Intel AX201, 11ax 2x2 + BT5.1

### Rear Ports

- 1x HDMI®-in 1.4
- 1x HDMI-out 2.1 TMDS
- 2x USB-C® 3.2 Gen 2
- 1x USB-C 2.0 (Supports data transfer, Power Delivery 3.0)
- 1x USB 2.0
- 1x USB 3.2 Gen 2 (Supports smart power-on)
- 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) (5WS1H22630)

## CERTIFICATIONS

### Other Certifications

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

## SOFTWARE

### Operating System

Windows® 11 DG Windows 10 Pro 64, German

### Bundled Software

None

## MODEL

**TopSeller** : Yes **Announce Date** : 2023-02-28

**EAN / UPC / JAN** : 0196804740676 **End of Support** : N/A



## 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	3Y Premier Support Upgrade from 1Y Onsite (5WSOT36111)
BETTER	3Y Onsite upgrade from 1Y Onsite (5WSOD81118)
GOOD	2Y Onsite upgrade from 1Y Onsite (5WSOD81094)

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



**PSREF**  
Product Specifications  
Reference