

## PERFORMANCE

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

Intel® Core™ i9-13900, 14C (8P + 16E) / 32T, Max Turbo up to 5.6GHz, P-core 2.0 / 5.2GHz, E-core 1.5 / 4.2GHz, 36MB

### Graphics

Integrated Intel® UHD Graphics 770

### Chipset

Intel® B760 Chipset

### Memory

1x 16GB UDIMM DDR4-3200

### Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

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

Up to 64GB DDR4-3200

### Storage

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

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

Up to two drives, 1x 3.5" HDD + 1x M.2 SSD

- 3.5" HDD up to 2TB
- M.2 SSD up to 1TB

### Card Reader

3-in-1 Card Reader

### Optical

DVD±RW

### Audio Chip

High Definition (HD) Audio, Realtek® ALC222-CG codec

### Speakers

2Wx1

### Power Supply

260W 90%

## DESIGN

### Keyboard

USB Calliope Keyboard, Black, Bulgarian

### Mouse

USB Calliope Mouse, Black

### Optional Bay

None

### Expansion Slots

- One PCIe® 4.0 x16, full-height, half-length
- Two PCIe® 3.0 x1, full-height, half-length
- Two M.2 slots (one for WLAN, one for SSD)

### Case Color

Black

### System Fan

None

### Pen

Pen Not Supported

### Form Factor

Tower (13.6L)

### Dimensions (WxDxH)<sup>[4]</sup>

145 x 294 x 340 mm (5.71 x 11.57 x 13.39 inches)

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

Around 5.5 kg (12.1 lbs)

## CONNECTIVITY

### WLAN + Bluetooth®

None

### WWAN

Non-WWAN

### Ethernet

Intel® I219-V, 1x RJ45

### Front Ports

- 1x USB-C® 3.2 Gen 1 (support data transfer and 5V@3A charging)
- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

### Optional Front Ports (configured)

1x card reader

### Rear Ports

- 4x USB 2.0 (one supports Smart Power On)
- 1x HDMI® 1.4b
- 1x DisplayPort™ 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x headphone (3.5mm)
- 1x serial (9-pin)

### Optional Rear Ports (configured)

None

### Monitor Cable

None

## SECURITY & PRIVACY

### Security Chip

Discrete TPM 2.0, TCG certified

### Fingerprint Reader

No fingerprint reader

### Physical Locks

- Kensington® Security Slot™, 3 x 7 mm
- Padlock Loop

### Smart Cable Clip

None

### Chassis Intrusion Switch

Chassis Intrusion Switch

## MANAGEABILITY

### System Management

Non-vPro®

## SERVICE

### Base Warranty

1-year, Courier or Carry-in

### Included Upgrade

5Y Onsite upgrade from 1Y Courier/Carry-in Promo(CPN)

## CERTIFICATIONS

### Green Certifications

- REACH
- RoHS compliant
- TCO Certified
- WEEE

## SOFTWARE

### Operating System

None

### Bundled Software

None

## ACCESSORIES

### Bundled Accessories

None

## MODEL

|                        |                 |                       |              |
|------------------------|-----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : Yes           | <b>Announce Date</b>  | : 2023-07-07 |
| <b>EAN / UPC / JAN</b> | : 0197532019546 | <b>End of Support</b> | : 2029-10-24 |

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.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

<https://psref.lenovo.com/Detail/2138?M=12JB001TBL>

## 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



### Lenovo USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.



### ThinkPad USB3.0 to Ethernet Adapter

4X90S91830

The ThinkPad USB3.0 to Ethernet Adapter is quick and easy way to connect your notebook and desktop to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

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

**Lenovo**

**PSREF**  
Product Specifications  
Reference