

PERFORMANCE

Processor

Intel® Core™ i5-13500, 14C (6P + 8E) / 20T, P-core 2.5 / 4.8GHz, E-core 1.8 / 3.5GHz, 24MB

Graphics

Integrated Intel® UHD Graphics 770

Chipset

Intel® Q670 Chipset

Memory^[1]

1x 8GB UDIMM DDR5-4800

Memory Slots

Two DDR5 UDIMM slots, dual-channel capable

Max Memory^[2]

Up to 64GB DDR5

Storage

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

Max Storage Support^{[3][4]}

Up to three drives, 1x 3.5" HDD + 1x 2.5" HDD + 1x M.2 SSD
 • 3.5" HDD up to 2TB
 • 2.5" HDD bay is only for customer self upgrade
 • M.2 SSD up to 2TB each

Card Reader

None

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC623-CG codec

Speakers

1Wx1

Power Supply

260W 90%

DESIGN

Keyboard

USB Traditional Keyboard, Black, Portuguese

Mouse

USB Calliope Mouse, Black

Optional Bay

None

Expansion Slots^[5]

- One PCIe® 3.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- One PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Two M.2 slots (one for WLAN, one for SSD)

Case Color

Black

Stand

None

Dust Filter

None

Pen

Pen Not Supported

Form Factor

SFF (8.2L)

Dimensions (WxDxH)^[6]

92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)

Weight^[7]

Around 5.3 kg (11.7 lbs)

CONNECTIVITY

WLAN + Bluetooth®

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3, vPro®

WWAN

Non-WWAN

Ethernet

Integrated 100/1000M

Front Ports

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
- 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

Rear Ports^[8]

- 4x USB-A (Hi-Speed USB / USB 2.0)
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)

Optional Rear Ports (configured)

None

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

Fingerprint Reader

No fingerprint reader

Physical Locks

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

Smart Cable Clip

None

Chassis E-Lock

None

Chassis Intrusion Switch

None

MANAGEABILITY

System Management^[9]

Intel® vPro® Enterprise

SERVICE

Base Warranty

1-year, Courier or Carry-in

Included Upgrade

3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in

CERTIFICATIONS

Green Certifications

- ErP Lot 3
- GREENGUARD®
- RoHS compliant
- TCO Certified 9.0

Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation, Contamination by Fluids, Salt Fog)

SOFTWARE

Operating System

None

Bundled Software

None

ACCESSORIES

Bundled Accessories

None

MODEL

TopSeller : Yes **Announce Date** : 2024-12-21

EAN / UPC / JAN : 0198156682819 **End of Support** : 2030-11-15

Note:

^[1] Installed memory is actually DDR5-5600 but may run as DDR5-4800 depending on the memory support capability of Intel.

^[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] 2.5" HDD bay is optional part, only for customer self.....

• Lenovo reserves the right to change specifications without notice.

To see more note information, please access the [web page](#).

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.



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...

Please click [here](#) to view the full list of accessories.



PSREF
Product Specifications
Reference