OVERVIEW



1. Power button	5. USB 3.2 Gen 2
2. Power connector	6. USB-C 3.2 Gen 2
3. 1x HDMI 2.1 TMDS	7. USB4 20Gbps
4. USB 3.2 Gen 2	8. Headphone / microphone combo jack (3.5mm)

PERFORMANCE

Processor

Processor Family

13th Generation Intel® Core™ i9 Processor

Processor

Processor Name	Cores	Threads	Max Frequency	Cache	Memory Support	Processor Graphics
Core i9-13900H	14 (6 P-core + 8 E-core)	20	P-core 5.4GHz / E-core 4.1GHz	24MB	LPDDR5x-6400	Intel Iris® Xe Graphics

Operating System

Operating System[1]

- Windows® 11 Home
- Windows 11 Home Single Language

Notes:

1. Some features may not be supported on the system with Linux preload, including but not limited to Intel RST RAID, Human Presence Detection, etc.

Graphics

Graphics

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel Iris Xe Graphics	Integrated	Shared	1x HDMI® 2.1 TMDS, 1x USB-C®	3840x2160@60Hz(HDMI), 3840x2160@60Hz(USB-C)	DirectX® 12

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitor; supports external monitors via USB-C and HDMI

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Max Memory[1]

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

- LPDDR5-6000
- LPDDR5-6400

Memory Protection

Non-ECC

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.

Storage

Storage Support[1]

One drive, up to 1TB M.2 SSD

Storage Type

Disk Type	Interface	RPM	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe 4.0 x4	-	-	-

Notes:

1. The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio

Speakers

Stereo speakers, 5W x2 (woofers), 2W x2 (tweeters),DOLBY ATMOS

Microphone

Dual-microphone array

Camera

5.0MP + IR, fixed focus

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
170W	Adapter	89%	100V - 240V
300W	Adapter	89%	100V - 240V

DESIGN

Display

Display[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
31.5"	UHD (3840x2160)	None	IPS	495 nits	None	16:9	1000:1	97% DCI-P3	horizontal: +/- 89°, vertical: +/- 89°	Borderless, DisplayHDR™ 600

Touchscreen

Non-touch

Notes:

1. California Electronic Waste Recycling Fee
   In California USA, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, please go to https://www.calrecycle.ca.gov/Electronics/Consumer

Input Device

Pen

No support

Keyboard

Ultraslim Wireless Keyboard, grey

Mouse

Ultraslim Wireless Mouse, grey

Mechanical

Form Factor

AIO (31.5 inches)

Dimensions (WxDxH)[1]

724.04 x 253.02 x 543.1 mm (28.5 x 9.96 x 21.38 inches)

Packaging Dimensions (WxDxH)

859 x 658 x 341 mm (33.81 x 25.9 x 13.42 inches)

Weight[2]

Around 8.5 kg (18.74 lbs)

Packaging Weight

Integrated graphics models:14.9 kg (32.85 lbs)

Case Color

Storm grey

Expansion Slots

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

Stand

Monitor stand, Supports -5° to +15° tilt

Others

(Optional) Wireless charger 15W

Notes:

1. The system dimensions may vary depending on configurations.
2. 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.

CONNECTIVITY

Network

Onboard Ethernet

No onboard Ethernet

WLAN + Bluetooth®[1]

Wi-Fi® 6E, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card

Notes:

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

Ports[1]

Rear Ports[2]

- 1x HDMI 2.1 TMDS
- 1x USB-C 3.2 Gen 2 (support data transfer)
- 1x USB4® 20Gbps (support data transfer, and DisplayPort™ 1.4)
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 1x power connector

Notes:

1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
   USB 2.0: 480 Mbit/s;
   USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
   USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;
   USB4 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   USB4 40Gbps (USB 40Gbps): 40 Gbit/s;
   Thunderbolt™ 3/4: 40 Gbit/s
2. For video ports on discrete graphics, please see graphics section

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in processor

BIOS Security

- Administrator password
- Power-on password
- Hard disk password

SERVICE

Warranty[1]

Base Warranty

- 1-year courier or carry-in service
- 1-year mail-in service
- 2-year courier or carry-in service
- 3-year courier or carry-in service

Notes:

1. The warranty upgrades may be bundled with some models, please check the "Included upgrade" column in the specific model's configurations. For more service extensions, please go to https://smartfind.lenovo.com/. To learn more details of warranty policy, please access https://pcsupport.lenovo.com/warranty.

ENVIRONMENTAL

Operating Environment

Temperature

- Operating: 5°C (41°F) to 35°C (95°F)
- Operating: -20°C (-4°F) to 60°C (140°F)

Humidity

- Operating: 20% to 80%
- Storage: 10% to 90%

Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- ErP Lot 3 and Lot 7
- GREENGUARD®
- RoHS compliant

Notes:

1. The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications

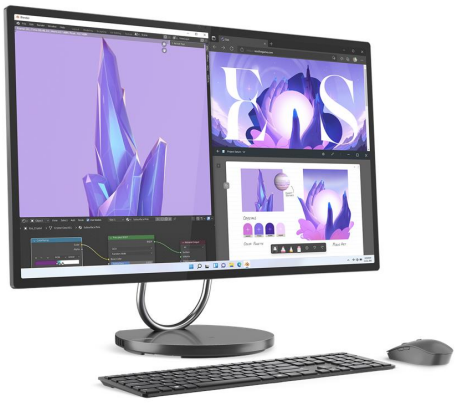
Other Certifications

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

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