OVERVIEW

1. 1x USB-A (USB 10Gbps)	7. Headphone / microphone combo jack (3.5mm)
2. 1x USB-A (USB 10Gbps)	8. 1x USB-C (USB 10Gbps)
3. Power connector	9. 1x Camera switch
4. 1x HDMI 2.1 TMDS	10. 1x USB-A (Hi-Speed USB)
5. 1x USB-C (Thunderbolt 4)	11. Power button
6. 1x USB-C (USB 10Gbps)	

PERFORMANCE

Processor

Processor Family

Intel Core™ Ultra X7 Processor (Series 3)

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core Ultra X7 358H	16 (4 P-core + 8 E-core + 4 LP E-core)	16	P-core 1.9GHz / E-core 1.5GHz / LP E-core 1.5GHz	P-core 4.8GHz / E-core 3.5GHz / LP E-core 3.3GHz	18MB Intel® Smart Cache	Intel® Arc™ B390 GPU, up to 122 TOPS	Up to 50 TOPS

AI (Artificial Intelligence)

AI PC Category

Copilot+ PC

NPU

Up to 50 TOPS

Operating System

Operating System[**]

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language

Graphics

Graphics[1]

Graphics	Type	Memory	AI TOPS (Peak)	Max Resolution	Connector	Key Features
Intel® Arc™ B390 GPU	Integrated	Shared	122	3840x2160@60Hz(HDMI®), 3840x2160@60Hz(Thunderbolt™)	1x HDMI® 2.1 TMDS, 1x Thunderbolt™ 4	DirectX® 12 Ultimate

Notes:

[1] The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

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]

32GB Soldered LPDDR5X-9600

Memory Slots

Memory soldered to systemboard, no slots, dual-channel

Memory Type

- LPDDR5X-8533
- LPDDR5X-9600

Memory Protection

Non-ECC

Notes:

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

Storage

Max Storage Support[1]

Up to 2x M.2 SSD
• M.2 SSD up to 2TB each

Storage Type

Disk Type	Interface
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3345-CG codec

Speakers

Stereo speakers, 5W x2 (woofers), 3W x2 (tweeters), Dolby Atmos®, harman/kardon brand

Microphone

Quad-microphone array, 3D array

Camera

16.0-megapixel IR camera

Power Supply

Power Supply**

Power	Type	Efficiency	Key Features
330W	Adapter	90%	Autosensing
245W	Adapter	90%	Autosensing

DESIGN

Display

Display

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
31.5″	UHD (3840x2160)	Non-touch	OLED	1000nits(Peak)	Anti-reflection, anti-fingerprint	16:9	1500000:1	99% DCI-P3	165Hz	horizontal: +/- 89°, vertical: +/- 89°	99% DCI-P3, 100% sRGB, Delta E < 1, True 10-bit, TÜV Low Blue Light Certification, Eyesafe Certification, TÜV Flicker-

											free Certification

Input Device

Keyboard

- Lenovo® 800 Wireless Multi-Mode Premium Rechargeable Keyboard
- No keyboard

Mouse

- Lenovo® 800 Wireless Multi-Mode Premium Rechargeable Mouse
- No mouse

Mechanical

Form Factor

AIO (31.5 inches)

Dimensions (WxDxH)[1]

720.68 x 64.1 x 509.13 mm (28.37 x 2.41 x 20.04 inches)

Packaging Dimensions (WxDxH)

928 x 700 x 230 mm (36.53 x 27.55 x 9.05 inches)

Weight[2]

Around 8.5 kg (18.74 lbs)

Packaging Weight

Around 14.95 kg (32.95 lbs)

Case Color

Seashell

Expansion Slots

Three M.2 slots (one for WLAN, two for SSD)

Stand

Frame stand, Supports -5.5° to +12° tilt

System Lighting

Rhythm lighting

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

WLAN + Bluetooth®[1]

Wi-Fi® 7, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready)

Onboard Ethernet

No onboard Ethernet

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

Ports[1]

Rear Ports

- 1x Thunderbolt™ 4
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)

- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® 2.1 TMDS
- 1x Power connector

Left Ports

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)
- 1x Camera switch
- 1x USB-A (Hi-Speed USB / USB 2.0)
- 1x Power button

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.
Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

SECURITY & PRIVACY

Security

Security Chip

Firmware TPM 2.0 integrated in SoC

BIOS Security

- Administrator password
- Boot sequence control
- Hard disk password
- More BIOS security features, please visit BIOS Simulator

SERVICE

Warranty[1]

Base Warranty**

- 1-year mail-in service
- 1-year courier or carry-in service
- 1-year limited onsite 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://support.lenovo.com/warrantylookup/warrantypolicy.

OPERATING REQUIREMENTS

Operating Environment

Temperature

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

Relative Humidity

- Operating: 20% to 80% (non-condensing)
- Storage: 10% to 90% (non-condensing)

Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: 0 m (0 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications[1]

Green Certifications

- ErP Lot 3/7
- 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. For ESG & regulatory compliance documents, please visit https://compliance.lenovo.com.

Other Certifications

Other Certifications

- Eyesafe® Certified 2.0
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light (Hardware Solution)

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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Copilot+PC

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