

OVERVIEW



1. USB-C (USB 20Gbps), with 5V@3A and DP 2.1	7. USB-A (USB 10Gbps), with smart power-on
2. Headphone / microphone combo jack (3.5mm)	8. HDMI in/out 2.1 TMDS
3. USB-A (USB 10Gbps)	9. USB-C (USB 20Gbps), with 5V@3A and DP 2.1
4. 2x USB-A (USB 10Gbps)	10. Kensington Security Slot
5. Ethernet (RJ-45)	11. Power button
6. Power connector	12. *1080P/120Hz for input, 4K/60Hz for output

PERFORMANCE

Processor

Processor Family

Intel® Core™ 3 / 5 / 7 Processor (Series 3)

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
Core 3 304	5 (1 P-core + 4 LP E-core)	5	P-core 1.5GHz / LP E-core 1.4GHz	P-core 4.3GHz / LP E-core 3.3GHz	6MB Intel® Smart Cache	Intel® Graphics, up to 9 TOPS	Up to 15 TOPS
Core 5 320	6 (2 P-core + 4 LP E-core)	6	P-core 1.5GHz / LP E-core 1.4GHz	P-core 4.6GHz / LP E-core 3.4GHz	6MB Intel® Smart Cache	Intel® Graphics, up to 20 TOPS	Up to 16 TOPS
Core 7 350	6 (2 P-core + 4 LP E-core)	6	P-core 1.5GHz / LP E-core 1.4GHz	P-core 4.8GHz / LP E-core 3.6GHz	6MB Intel® Smart Cache	Intel® Graphics, up to 21 TOPS	Up to 17 TOPS

AI (Artificial Intelligence)

AI PC Category

AI PC

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- No preload operating system

Graphics

Graphics

Graphics	Type	Memory	AI TOPS (Peak)	Max Resolution	Connector	Key Features
Intel® Graphics	Integrated	Shared	9 TOPS (Int8, Core 3 304) / 20 TOPS (Int8, Core 5 320) / 21 TOPS (Int8, Core 7 350)	3840x2160@60Hz (HDMI®), 3840x2160@60Hz (USB-C® with DP function)	1x HDMI® 2.1 TMDS, 2x USB-C® with DP function	DirectX® 12

Monitor Support

Monitor Support

Supports up to 3 independent displays. 1 native display and 2 external monitor via onboard HDMI® and either of the two USB-C®

Chipset

Chipset

Intel® SoC (System on Chip) platform

Memory

Max Memory^[1]

32GB soldered LPDDR5X-7467, not upgradable

Memory Slots

Memory soldered to systemboard, no slots

Memory Type

LPDDR5X-7467

Notes:

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

Storage

Max Storage Support^[1]

- Up to two drives, 2x M.2 SSD
- M.2 2280 SSD up to 1TB each
 - The second M.2 SSD slot is only for customer self-upgrade

Storage Type^{**}

Disk Type	Interface	Security
M.2 2280 SSD ^[2]	PCIe® NVMe®, PCIe® 4.0 x4	-
M.2 2280 SSD ^[3]	PCIe® NVMe®, PCIe® 4.0 x4	Opal 2.0

Notes:

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

[2], [3] M.2 PCIe® 4.0 x4 SSD in an M.2 PCIe® x2 slot runs at PCIe® 4.0 x2 performance.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC3341 codec

Speakers

Stereo speakers, 3W x2, Audio by HARMAN

Microphone

Dual-microphone array

Camera^{**}

- 5.0-megapixel IR camera, with hardware camera shutter (physical switch on/off)
- 5.0-megapixel, with hardware camera shutter (physical switch on/off)

Power Supply

Power Supply^{**}

Power	Type	Efficiency	Key Features
90W	Adapter	89%	Autosensing
135W	Adapter	90%	Autosensing

DESIGN

Display

Display^{**[1]}

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Refresh Rate	Viewing Angle (L/R/U/D)	Key Features
23.8"	FHD (1920x1080)	Multi-touch	IPS	350nits	Anti-glare	16:9	1500:1	99% sRGB	120Hz	89° / 89° / 89° / 89°	4-side like border-less panel, hardware low blue light
23.8"	FHD (1920x1080)	Non-touch	IPS	350nits	Anti-glare	16:9	1500:1	99% sRGB	120Hz	89° / 89° / 89° / 89°	4-side like border-less

											panel, hardware low blue light
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Touchscreen

- OGM (One Glass Metal mesh) multi-touch, supports 10-point touch
- Non-touch

Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Keyboard**

- Lenovo® Calliope Keyboard (USB connector), black
- Wireless EOS Keyboard, black
- No keyboard

Mouse**

- Lenovo® Calliope Mouse (USB connector), black
- Wireless EOS Mouse, black
- No mouse

Mechanical

Form Factor

AIO (23.8 inches)

Dimensions (WxDxH)^[1]

539.2 x 172 x 471.8 mm (21.2 x 6.8 x 18.57 inches)

Packaging Dimensions (WxDxH)

644 x 216 x 562 mm (26.35 x 8.5 x 22.13 inches)

Weight^[2]

Around 4.23 kg (9.31 lbs)

Packaging Weight

6.5 kg (14.33 lbs)

Case Color

Luna grey

Expansion Slots^[3]

Three M.2 slots (one for WLAN, two for SSD up to PCIe® 4.0 x2)^[4]

Stand

Monitor stand, supports -5° to +15° tilt, up to 60mm lift

Mounting

None

System Lighting

Adaptive Lighting

Others

- Wireless charger 15W
- None

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.

[3] The second M.2 SSD slot is only for customer self-upgrade purpose.

[4] M.2 PCIe® 4.0 x4 SSD in an M.2 PCIe® x2 slot runs at PCIe® 4.0 x2 performance.

CONNECTIVITY

Network

WLAN + Bluetooth®**[1]

- MediaTek Wi-Fi® 6 MT7920, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card
- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.4, M.2 card
- Realtek® Wi-Fi® 7 RTL8922AE, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready), M.2 card
- Intel® Wi-Fi® 7 BE213, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4 (Bluetooth® 6.0 hardware ready), M.2 card
- No WLAN and Bluetooth®

Onboard Ethernet

Gigabit Ethernet, Realtek® RTL8111H or Realtek® RTL8111H-VB, 1x RJ-45

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 USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer, power output 5V@3A and DisplayPort™ out 2.1 functions
- 3x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® (HDMI® in / HDMI® out 2.1 TMDS combo port)
- 1x Ethernet (GbE RJ-45)

Left Ports

- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), data transfer, power output 5V@3A and DisplayPort™ out 2.1 functions

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

Physical Locks

Kensington® Security Slot™

BIOS Security

- Administrator password
- Boot sequence control
- Boot without keyboard and mouse
- Intel® BIOS guard
- Hard disk password
- Power-on password
- Never crash Self-healing
- Secure boot
- Secure wipe
- More BIOS security features, please visit [BIOS Simulator](#)

MANAGEABILITY

System Management

System Management

Non-vPro®

SERVICE

Warranty^[1]

Base Warranty**

- 1-year courier or carry-in service
- 1-year limited onsite 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

- (Optional) ENERGY STAR® 9.0
- (Optional) EPEAT 1.0 Gold Registered^[2]
- (Optional) EPEAT 2.0 Silver Registered^[3]
- ErP Lot 3/7
- Low Halogen
- RoHS / WEEE / REACH

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>.

[2], [3] EPEAT is registered where applicable, please visit epeat.net for registration status by country.

Other Certifications

Other Certifications

TÜV Rheinland® Ultra Low Noise

- 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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