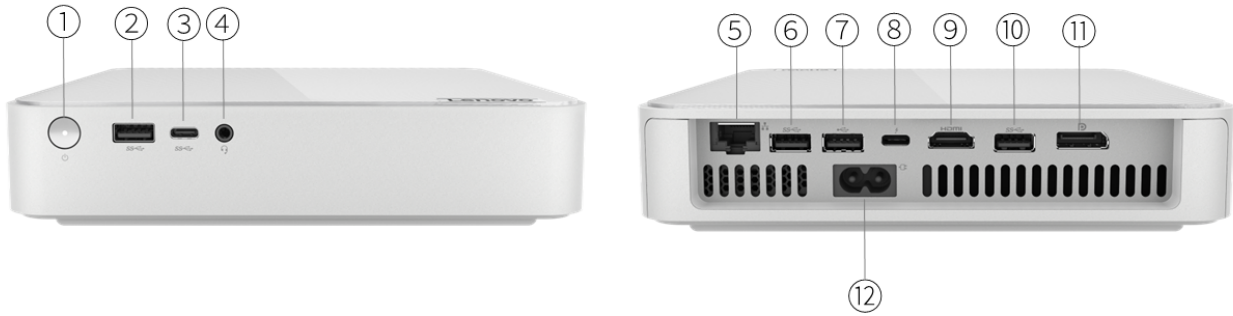


## OVERVIEW



1. Power button	7. USB 2.0
2. USB 3.2 Gen 2 (Always On)	8. Thunderbolt 4
3. USB-C 3.2 Gen 2	9. HDMI 2.1 TMDS
4. Headphone / microphone combo jack (3.5mm)	10. USB 3.2 Gen 2
5. Ethernet (RJ-45)	11. DisplayPort 1.4
6. USB 3.2 Gen 2	12. Power connector

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

13th Generation Intel® Core™ i5 / i7 Processor

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

Processor Name	Cores	Threads	Max Frequency	Cache	Memory Support	Processor Graphics
Core i5-13420H	8 (4 P-core + 4 E-core)	12	P-core 4.6GHz / E-core 3.4GHz	12MB	DDR4-3200	Intel® UHD Graphics
Core i5-13500H	12 (4 P-core + 8 E-core)	16	P-core 4.7GHz / E-core 3.5GHz	18MB	DDR4-3200	Intel® Iris® Xe Graphics
Core i7-13620H	10 (6 P-core + 4 E-core)	16	P-core 4.9GHz / E-core 3.6GHz	24MB	DDR4-3200	Intel® UHD Graphics
Core i7-13700H	14 (6 P-core + 8 E-core)	20	P-core 5.0GHz / E-core 3.7GHz	24MB	DDR4-3200	Intel® Iris® Xe Graphics

Notes:

[1] Intel® Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see <http://www.intel.com/technology/turboboost/> for more information.

### Operating System

#### Operating System\*\*

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

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Max Resolution	Connector	Key Features
Intel® UHD Graphics	Integrated	Shared	3840x2160@60Hz(HDMI®), 3840x2160@60Hz(DP), 3840x2160@60Hz(Thunderbolt™)	1x HDMI® 2.1 TMDS 1x DP 1.4 1x Thunderbolt™ 4	DirectX® 12.1
Intel® Iris® Xe Graphics	Integrated	Shared	3840x2160@60Hz(HDMI®), 3840x2160@60Hz(DP), 3840x2160@60Hz(Thunderbolt™)	1x HDMI® 2.1 TMDS 1x DP 1.4 1x Thunderbolt™ 4	DirectX® 12.1

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays via onboard ports (DP, HDMI®, and Thunderbolt™)

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

#### Max Memory<sup>[1]</sup>

Up to 32GB DDR4-3200

#### Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

**Memory Type**

DDR4-3200

**Memory Protection**

Non-ECC

Notes:

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

**Storage****Storage Support<sup>[1]</sup>**

Up to two drives, 2x M.2 SSD

- M.2 SSD up to 1TB each

**Storage Type**

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

**RAID**

No support

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® ALC256 codec

**Speakers**

No speakers

**Power Supply****Power Supply**

Power	Type	Efficiency	Key Features
150W	Fixed	92%	100V - 240V

**DESIGN****Input Device****Keyboard**

No keyboard

**Mouse**

No mouse

**Mechanical****Form Factor**

Tiny (1L)

**Dimensions (WxDxH)<sup>[1]</sup>**

191.4 x 195 x 39mm (7.535 x 7.677 x 1.535 inches)

**Packaging Dimensions (WxDxH)**

315 x 117 x 270 mm (12.4 x 4.61 x 10.63 inches)

**Weight<sup>[2]</sup>**

Around 1.8 kg (3.97 lbs)

**Packaging Weight**

2.2 kg (4.86 lbs)

**Case Color**

Cloud grey

**Bays**

No bays

**Expansion Slots**

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

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**

2.5GbE, Realtek® RTL8125BGS Gaming Ethernet, 1x RJ-45

**WLAN + Bluetooth®**

Wi-Fi® 6, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card<sup>[1]</sup>

Notes:

[1] Bluetooth® 5.2 requires Windows® 11.

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

**Front Ports**

- 1x USB-C® 3.2 Gen 2
- 1x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

**Rear Ports**

- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer and DP 1.4)
- 1x USB 2.0
- 1x USB 3.2 Gen 2
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (2.5GbE RJ-45)
- 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.

## SECURITY & PRIVACY

## Security

### Security Chip

Firmware TPM 2.0 integrated in processor

### BIOS Security

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

## MANAGEABILITY

### System Management

#### System Management

None

## SERVICE

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

#### 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://pcsupport.lenovo.com/warranty>.

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature

- Operating: 10°C (50°F) to 35°C (95°F)
- Storage: -40°C (-40°F) to 60°C (140°F)

#### Relative Humidity

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

#### Altitude

- Operating: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 10668 m (35,000 ft)

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications

- ENERGY STAR® 8.0
- ErP Lot 3
- 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>.

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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