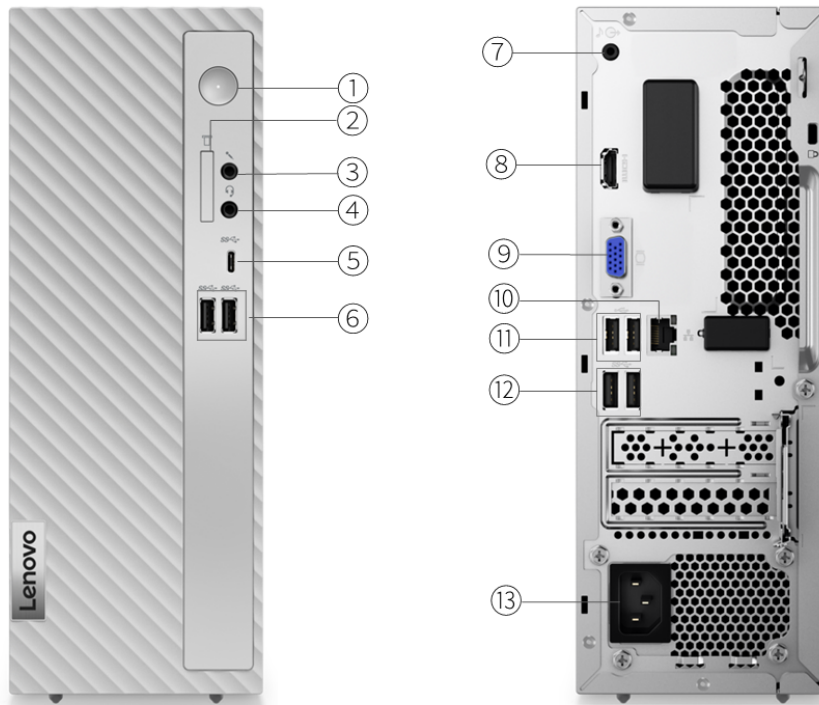


**OVERVIEW**



1. Power button	8. HDMI 1.4b
2. Card reader *	9. VGA
3. Microphone (3.5mm)	10. Ethernet (RJ-45)
4. Headphone / microphone combo jack (3.5mm)	11. 2x USB 2.0
5. USB-C 3.2 Gen 1 (support data transfer and 5V@3A charging)	12. 2x USB 3.2 Gen 1
6. 2x USB 3.2 Gen 1	13. Power connector
7. Line-out (3.5mm)	

Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron®, Intel Pentium®, or 12th Generation Intel Core™ i3 / i5 / i7 Processor

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron G6900	2	2	3.4GHz	-	4MB	DDR4-3200	Intel UHD Graphics 710
Pentium Gold G7400	2	4	3.7GHz	-	6MB	DDR4-3200	Intel UHD Graphics 710
Core i3-12100	4 (4 P-core + 0 E-core)	8	P-core 3.3GHz	P-core 4.3GHz	12MB	DDR4-3200	Intel UHD Graphics 730
Core i5-12400	6 (6 P-core + 0 E-core)	12	P-core 2.5GHz	P-core 4.4GHz	18MB	DDR4-3200	Intel UHD Graphics 730
Core i7-12700	12 (8 P-core + 4 E-core)	20	P-core 2.1GHz / E-core 1.6GHz	P-core 4.8GHz / E-core 3.6GHz	25MB	DDR4-3200	Intel UHD Graphics 770

### Operating System

#### Operating System

- Windows® 11 Pro
- Windows 11 Home
- Windows 11 Home in S mode
- Windows 11 Home Single Language
- No operating system

### Graphics

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

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel UHD graphics 710	Integrated	Shared	1x VGA, 1x HDMI® 1.4b	1920x1200@60Hz(VGA), 1920x1080@60Hz(HDMI)	DirectX® 12
Intel UHD graphics 730	Integrated	Shared	1x VGA, 1x HDMI 1.4b	1920x1200@60Hz(VGA), 1920x1080@60Hz(HDMI)	DirectX 12
Intel UHD Graphics 770	Integrated	Shared	1x HDMI 1.4b, 1x VGA	1920x1200@60Hz(VGA), 1920x1080@60Hz(HDMI)	DirectX 12

#### Notes:

1. The information of integrated graphics are not applicable for the models without integrated graphics (for the details, please refer to processor section)

### Monitor Support

#### Monitor Support

Supports up to 2 independent displays via onboard ports (VGA + HDMI)

### Chipset

#### Chipset

Intel B660 chipset

### Memory

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

Up to 32GB DDR4-3200

#### Memory Slots

Two DDR4 UDIMM 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. The system may support more memory as the technology develops.

## Storage

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

Up to two drives, 1x 3.5" HDD + 1x M.2 SSD

- 3.5" HDD up to 2TB
- M.2 SSD up to 1TB

#### Storage Type

Disk Type	Interface	RPM	Offering	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	-	-
M.2 2242 SSD	PCIe® NVMe®, PCIe 3.0 x4	-	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 3.0 x4	-	-	-
M.2 2280 SSD	PCIe NVMe, PCIe 4.0 x4	-	-	-

#### RAID

No support

#### 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

- DVD burner (DVD±RW), SATA 1.5Gb/s, slim (9.0mm)
- None

#### Card Reader

- 7-in-1 card reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)
- No card reader

## Multi-Media

#### Audio Chip

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

#### Speakers

No speakers

## Power Supply

#### Power Supply

Power	Type	Efficiency	Key Features
180W	Fixed	85%	-
260W	Fixed	85%	100-240V, 50-60Hz

## DESIGN

### Input Device

#### Keyboard

- No keyboard

- Lenovo Calliope Keyboard (USB connector), black

**Mouse**

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

**Mechanical****Form Factor**

SFF (7.4L)

**Dimensions (WxDxH)**

100 x 303.5 x 274.8 mm (3.9 x 11.94 x 10.8 inches)

**Packaging Dimensions (WxDxH)**

195 x 390 x 500 mm (7.7 x 15.4 x 19.7 inches)

**Weight**

6.25 kg (13.8 lbs)

**Packaging Weight**

All models: 6.25 kg (13.8 lbs)

**Case Color**

Cloud grey

**Bays**

- 1x 2.5" disk bay (optional)
- 1x 3.5" disk bay
- 1x slim ODD bay (optional)

**Expansion Slots**

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

**CONNECTIVITY****Network****Onboard Ethernet**

Gigabit Ethernet, 1x RJ-45

**WLAN + Bluetooth<sup>[1]</sup>**

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.0, M.2 card
- Wi-Fi 6, 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 limitation

**Ports<sup>[1]</sup>****Front Ports**

- 2x USB 3.2 Gen 1
- 1x USB-C® 3.2 Gen 1 (support data transfer and 5V@3A charging)
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

**Optional Front Ports**

1x card reader

**Rear Ports<sup>[2]</sup>**

- 2x USB 2.0
- 2x USB 3.2 Gen 1
- 1x VGA
- 1x HDMI 1.4
- 1x Ethernet (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;  
USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 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 chipset

#### BIOS Security

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

## SERVICE

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

#### Base Warranty

- 1-year courier or carry-in service
- 1-year mail-in service
- 1-year limited onsite service
- 2-year courier or carry-in service
- 3-year courier or carry-in service
- OB

#### 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)
- Storage: -40°C (-40°F) to 60°C (140°F)

#### Humidity

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

#### 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

#### Green Certifications

- ErP Lot 3
- RoHS compliant

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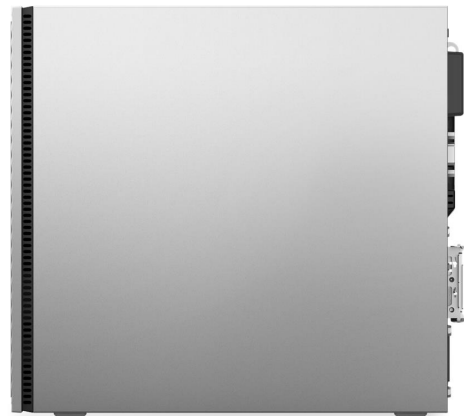
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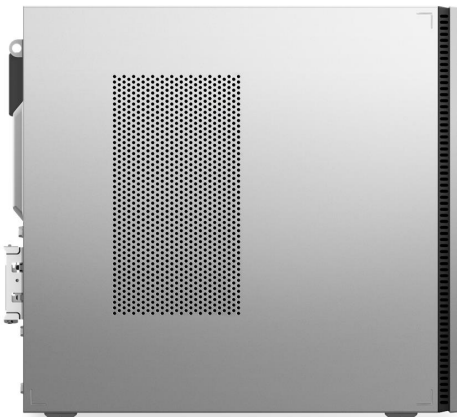
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