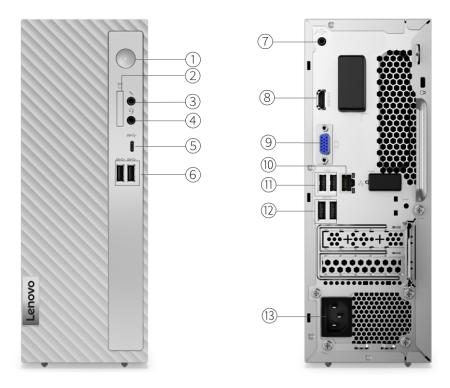


# **OVERVIEW**



| 1. Power button   | 8. HDMI 1.4b         |
|---|----------------------|
| 2. Card reader *  | 9. VGA               |
| 3. Microphone jack (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:

• Items 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<br>Name                | Cores                           | Threads | Base Frequency                   | Max Frequency  | Cache  | Memory<br>Support | Processor<br>Graphics      |
|----------------------------------|---------------------------------|---------|----------------------------------|--|--|-------------------|----------------------------|
| Celeron®<br>G6900                | 2                               | 2       | 3.4GHz                           | -  | 2.5MB L2 Cache<br>/ 4MB Intel®<br>Smart Cache  | DDR4-<br>3200     | Intel® UHD<br>Graphics 710 |
| Pentium®<br>Gold G7400           | 2                               | 4       | 3.7GHz                           | -  | 2.5MB L2 Cache<br>/ 6MB Intel®<br>Smart Cache  | DDR4-<br>3200     | Intel® UHD<br>Graphics 710 |
| Core i3-<br>12100 <sup>[1]</sup> | 4 (4 P-<br>core + 0<br>E-core)  | 8       | P-core 3.3GHz                    | P-core 4.3GHz  | 5MB L2 Cache /<br>12MB Intel®<br>Smart Cache   | DDR4-<br>3200     | Intel® UHD<br>Graphics 730 |
| Core i5-<br>12400 <sup>[2]</sup> | 6 (6 P-<br>core + 0<br>E-core)  | 12      | P-core 2.5GHz                    | P-core 4.4GHz  | 7.5MB L2 Cache<br>/ 18MB Intel®<br>Smart Cache | DDR4-<br>3200     | Intel® UHD<br>Graphics 730 |
| Core i7-<br>12700 <sup>[3]</sup> | 12 (8 P-<br>core + 4<br>E-core) | 20      | P-core 2.1GHz /<br>E-core 1.6GHz | Max Turbo up to<br>4.9GHz / P-core 4.8GHz<br>/ E-core 3.6GHz | 25MB Intel®<br>Smart Cache                     | DDR4-<br>3200     | Intel® UHD<br>Graphics 770 |

### Notes:

[1], [2], [3] 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
- Windows® 11 Home in S mode
- No preload operating system

# **Graphics**

### Graphics\*\*

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

# **Monitor Support**

# **Monitor Support**

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

# Chipset

## Chipset

Intel® B660 chipset



# **Memory**

Max Memory[1]

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.

### **Storage**

#### Max Storage Support[1]

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  |
|---------------|---------------------------|------|
| 3.5" SATA HDD | SATA 6Gb/s                | 7.2K |
| M.2 2242 SSD  | PCle® NVMe®, PCle® 3.0 x4 | -    |
| M.2 2280 SSD  | PCle® NVMe®, PCle® 3.0 x4 | -    |
| M.2 2280 SSD  | PCle® NVMe®, PCle® 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**

- 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
- 24-bit DAC supports 44.1K/48K/96K sample rate, 2 channel DAC supports 16/20/24-bit PCM format for independent two stereo channel or 2.1 audio playback
- 24-bit ADC supports 44.1K/48K/96K sample rate, 2 channel ADC supports 16/20/24-bit PCM format for independent two stereo channel audio inputs

#### **Speakers**

No speakers

### **Power Supply**

### Power Supply\*\*

| Power | Туре  | Efficiency | Key Features |
|-------|-------|------------|--------------|
| 180W  | Fixed | 85%        | -            |



| 260W | Fixed | 85% | 100-240V, 50-60Hz |
|------|-------|-----|-------------------|
|------|-------|-----|-------------------|

# **DESIGN**

# **Input Device**

### Keyboard

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

#### Mouse

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

### Mechanical

#### **Form Factor**

SFF (7.4L)

#### Dimensions (WxDxH)[1]

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<sup>[2]</sup>

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)

### 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® 5, 802.11ac 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 card
- Wi-Fi<sup>®</sup> 6, 802.11ax 2x2 Wi-Fi<sup>®</sup> + Bluetooth<sup>®</sup> 5.1, M.2 card

#### **Onboard Ethernet**

Gigabit Ethernet, 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<sup>[1]</sup>

## **Front Ports**

## IdeaCentre 3 07IAB7



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

#### **Optional Front Ports**

1x card reader

#### **Rear Ports**

- 2x USB 2.0
- 2x USB 3.2 Gen 1
- 1x HDMI® 1.4
- 1x VGA
- 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;

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<sup>™</sup> 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 chipset

#### **BIOS Security**

- · Administrator password
- · Hard disk password
- · Power-on password
- More BIOS security features, please visit BIOS Simulator[1]

#### Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

### **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 <a href="https://smartfind.lenovo.com/">https://smartfind.lenovo.com/</a>. To learn more details of warranty policy, please access <a href="https://support.lenovo.com/warrantylookup/warrantypolicy">https://support.lenovo.com/warrantylookup/warrantypolicy</a>.

### OPERATING REQUIREMENTS



# **Operating Environment**

#### **Temperature**

Operating: 5°C (41°F) to 35°C (95°F)
Storage: -40°C (-40°F) to 60°C (140°F)

#### **Relative 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<sup>11</sup>

#### **Green Certifications**

- 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 <a href="https://compliance.lenovo.com">https://compliance.lenovo.com</a>.

- Feature with \*\* means that only one option listed under the feature can be configured on selected models.

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