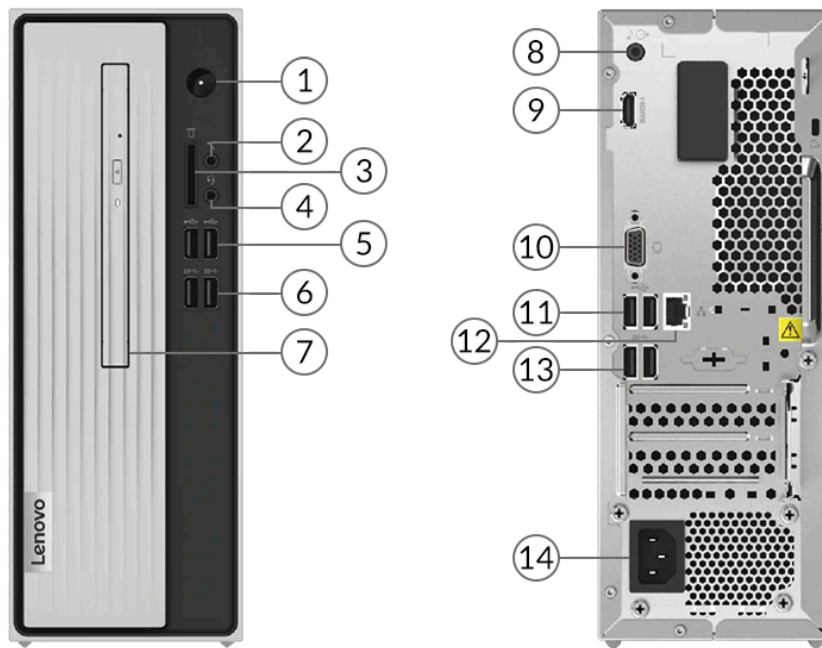


## OVERVIEW



1. Power button	8. Line-out (3.5mm)
2. Microphone (3.5mm)	9. HDMI 1.4b
3. Card reader	10. VGA
4. Headphone / microphone combo jack (3.5mm)	11. 2x USB 2.0
5. 2x USB 2.0	12. Ethernet (RJ-45)
6. 2x USB 3.2 Gen 1	13. 2x USB 3.2 Gen 1
7. Optical drive *	14. Power connector

## Notes:

- Ports with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron®, Intel Pentium® or 10th generation Intel Core™ i3 / i5 / i7 Processors

#### Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron G5900	2	2	3.4GHz	-	2MB	DDR4-2666	Intel UHD Graphics 610
Celeron G5905	2	2	3.5GHz	-	4MB	DDR4-2666	Intel UHD Graphics 610
Pentium Gold G6400	2	4	4.0GHz	-	4MB	DDR4-2666	Intel UHD Graphics 610
Core i3-10100	4	8	3.6GHz	4.3GHz	6MB	DDR4-2666	Intel UHD Graphics 630
Core i5-10400	6	12	2.9GHz	4.3GHz	12MB	DDR4-2666	Intel UHD Graphics 630
Core i5-10400F	6	12	2.9GHz	4.3GHz	12MB	DDR4-2666	-
Core i7-10700	8	16	2.9GHz	4.8GHz	16MB	DDR4-2933	Intel UHD Graphics 630
Core i7-10700F	8	16	2.9GHz	4.8GHz	16MB	DDR4-2933	-

### Operating System

#### Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- No operating system

### Graphics

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

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel UHD graphics 610	Integrated	Shared	1x HDMI® 1.4b, 1x VGA	4096x2160@24Hz(HDMI), 2048x1536@50Hz(VGA)	DirectX® 12
Intel UHD graphics 630	Integrated	Shared	1x HDMI 1.4b, 1x VGA	4096x2160@24Hz(HDMI), 2048x1536@50Hz(VGA)	DirectX 12
NVIDIA® GeForce® GT 730	Discrete	2GB GDDR5	1x HDMI 1.4, 1x VGA	3840x2160@60HZ(HDMI), 2048x1536@75Hz(VGA)	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 and HDMI), more displays support via discrete graphics

### Chipset

#### Chipset

Intel B460 chipset

### Memory

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

DDR4-2933

#### Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

#### Memory Protection

Non-ECC

**Max Memory<sup>[2]</sup>**

Up to 32GB DDR4-2666

**Notes:**

1. Installed memory is actually 2933MHz, but may run at 2666MHz or 2933MHz depending on the memory support capability of processor
2. 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**

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

- 3.5" HDD up to 2TB
- M.2 SSD up to 512GB
- Optional Intel Optane™ Memory Integrated with SSD, M.2

**RAID**

Not support

**Storage Type**

Disk Type	Interface	RPM	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2242 SSD	PCIe NVMe	-	-
M.2 2280 SSD	PCIe NVMe	-	-
Intel Optane Memory with Solid State Storage, M.2 2280	PCIe NVMe, PCIe 3.0 x4	-	-

**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

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

Power	Type	Efficiency	Key Features
180W	Fixed	85%	100V - 240V
260W	Fixed	85%	100V - 240V

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

Lenovo Calliope Keyboard (USB connector), black

**Mouse**

Lenovo Calliope Mouse (USB connector), black

**Mechanical****Form Factor**

SFF (7.4L)

**Dimensions (WxDxH)**

100 x 274.5 x 312.5 mm (3.93 x 10.8 x 12.3 inches)

**Weight**

4.35 kg (9.59 lbs)

**Case Color**

Mineral grey

**Bays**

- 1x slim ODD bay
- 1x 2.5" disk bay
- 1x 3.5" disk bay

**Expansion Slots**

- One PCIe 3.0 x16, low-profile
- One PCIe 3.0 x1, low-profile
- Two M.2 slots (one for WLAN, one for SSD)

**Cooling System (Fan&Cooler)**

None

## CONNECTIVITY

### Network

**Onboard Ethernet**

Gigabit Ethernet, 1x RJ45

**WLAN + Bluetooth™**

- 802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card
- 802.11ax 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card

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

**Front Ports**

- 4x USB 3.2 Gen 1
- 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 Ethernet (RJ-45)
- 1x HDMI 1.4b
- 1x VGA
- 1x line-out (3.5mm)

**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: 40 Gbit/s;  
FireWire 400: 400 Mbit/s;  
FireWire 800: 800 Mbit/s
2. For video ports on discrete graphics, please see graphics section

## SECURITY & PRIVACY

### Security

### Physical Locks

No physical locks

### BIOS Security

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

## SERVICE

### Warranty

#### Base Warranty

- 1-year mail-in service
- 1-year depot service
- 1-year limited onsite service
- 2-year depot service

## ENVIRONMENTAL

### Operating Environment

#### Temperature

Storage and transportation: -40°C to 55°C (-40°F to 131°F)

#### Humidity

Operating: 20% to 80% (non-condensing)

Storage: 20% to 93% (non-condensing)

#### Atmospheric Pressure

86 kPa to 106 kPa

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- ENERGY STAR® 8.0 (MT:90NS)
- ErP Lot 3
- RoHS compliant

