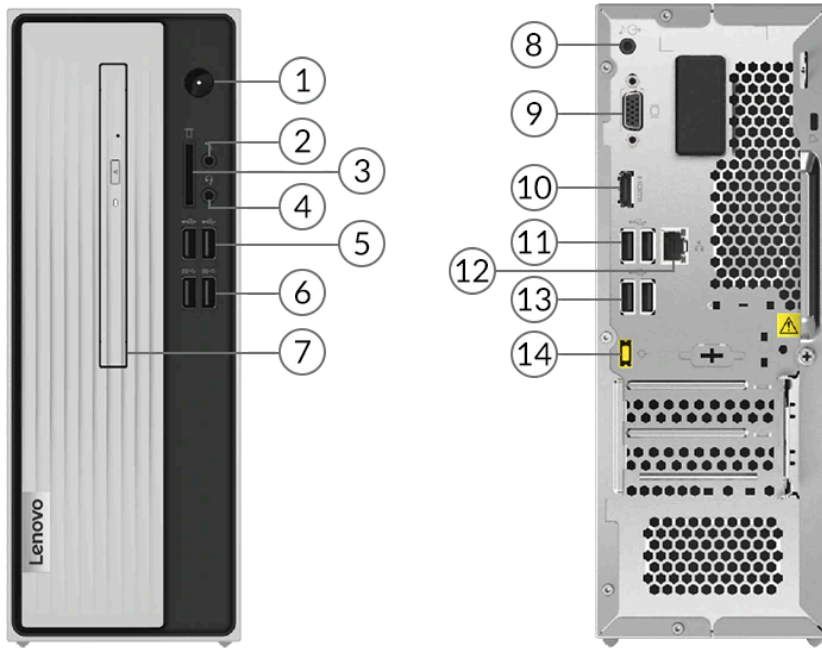


OVERVIEW



1. Power button	8. Line-out (3.5mm)
2. Microphone (3.5mm)	9. VGA
3. Card reader	10. HDMI 1.4
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 2.0
7. Optical drive *	14. Power connector

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

AMD Athlon™ or AMD Ryzen™ 3 / 5 Processor

Processor**

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD 3020e	2	2	1.2GHz	2.6GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon™ Graphics
AMD Athlon Gold 3150U	2	4	2.4GHz	3.3GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Athlon Silver 3050U	2	2	2.3GHz	3.2GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Ryzen 3 3250U	2	4	2.6GHz	3.5GHz	1MB L2 / 4MB L3	DDR4-2400	AMD Radeon Graphics
AMD Ryzen 5 3500U	4	8	2.1GHz	3.7GHz	2MB L2 / 4MB L3	DDR4-2400	AMD Radeon Vega 8 Graphics

Operating System

Operating System**

- FreeDOS
- Windows® 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 Home in S mode
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Home in S mode

Graphics

Graphics**

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon Graphics	Integrated	Shared	1x HDMI® 1.4, 1x VGA	3840x2160@30Hz(HDMI), 1920x1080@60Hz(VGA)	DirectX® 12
AMD Radeon Vega 8 Graphics	Integrated	Shared	1x HDMI 1.4, 1x VGA	4096x2160@24Hz(HDMI), 3840x2160@60Hz(VGA)	DirectX 12

Monitor Support

Monitor Support

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

Chipset

Chipset

AMD SoC (System on Chip) platform

Memory

Max Memory^[1]

Up to 16GB DDR4-2400

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type**^[2]

- DDR4-2400
- DDR4-2666

Memory Protection

Non-ECC

Notes:

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

[2] Installed memory is actually 2400MHz or 2666MHz, but run at 2400MHz depending on the memory support capability of processor.

Storage

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 512GB

Storage Type^{***}

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

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® ALC222-CG codec

Speakers

No speakers

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
90W	Adapter	88%	100V - 240V

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 290 x 270 mm (3.94 x 11.42 x 10.63 inches)

Packaging Dimensions (WxDxH)

200 x 513 x 400 mm (7.87 x 20.19 x 15.74 inches)

Weight^[2]

3.55 kg (7.83 lbs)

Packaging Weight

All models: 4.55 kg (10.03 lbs)

Case Color

Mineral grey

Bays**

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

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

Onboard Ethernet

- Gigabit Ethernet, 1x RJ-45
- One Gigabit Ethernet port

WLAN + Bluetooth®

- 802.11ac 2x2 Wi-Fi® + Bluetooth 5.1, M.2 Card
- No WLAN and Bluetooth

Ports^[1]

Front Ports

- 2x USB 2.0
- 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

- 4x USB 2.0
- 1x HDMI 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 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;
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 SoC

BIOS Security

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

SERVICE

Warranty^[1]

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
- 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

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^[1]

Green Certifications

- (Optional) 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.

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Feature with *** means that one or more offerings listed under the feature could be configured on selected models.
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