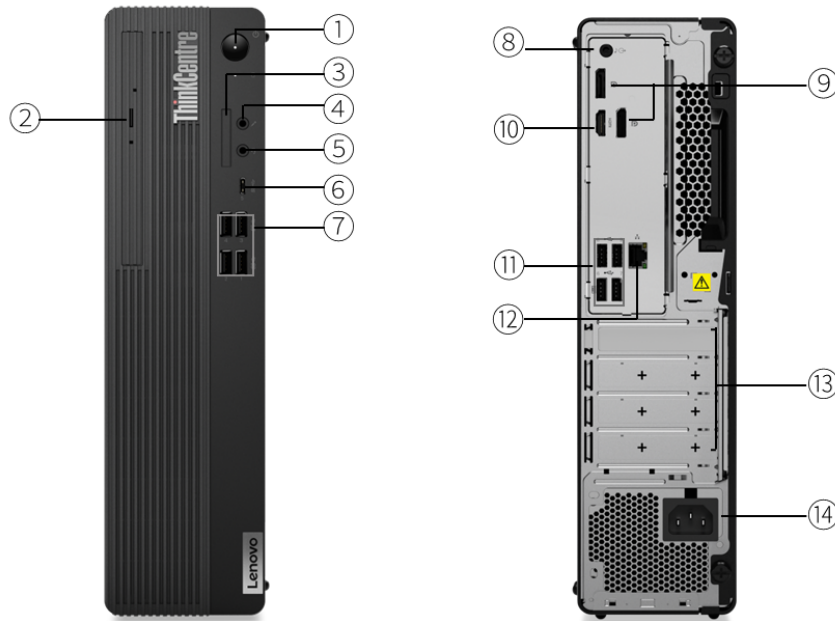


## OVERVIEW



1. Power button	8. Line-out (3.5mm)
2. Optical drive *	9. 2x DisplayPort 1.4a (HBR2, DSC)
3. Card reader *	10. HDMI 2.1 TMDS
4. Microphone jack (3.5mm)	11. 4x USB-A (Hi-Speed USB)
5. Headphone / microphone combo jack (3.5mm)	12. Ethernet (RJ-45)
6. USB-C (USB 5Gbps), with 15W charging	13. Optional ports on expansion cards *
7. 4x USB-A (USB 5Gbps)	14. Power connector

Notes:

- Items with \* are only available on selected models
- More ports are available through the optional expansion cards (not shown on the sample product above)

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 3 / 5 / 7 8000 or Ryzen™ 3 / 5 / 7 PRO 8000 Series Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics	NPU
AMD Ryzen™ 3 8300G	4	8	3.4GHz	4.9GHz	4MB L2 / 8MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 3 PRO 8300G	4	8	3.4GHz	4.9GHz	4MB L2 / 8MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 5 8500G	6	12	3.5GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 5 8600G	6	12	4.3GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 760M	AMD Ryzen™ AI
AMD Ryzen™ 5 PRO 8500G	6	12	3.5GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 740M	-
AMD Ryzen™ 5 PRO 8600G	6	12	4.3GHz	5.0GHz	6MB L2 / 16MB L3	AMD Radeon™ 760M	AMD Ryzen™ AI
AMD Ryzen™ 7 8700G	8	16	4.2GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI
AMD Ryzen™ 7 PRO 8700G	8	16	4.2GHz	5.1GHz	8MB L2 / 16MB L3	AMD Radeon™ 780M	AMD Ryzen™ AI

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux
- No preload operating system

### Graphics

#### Graphics\*\*\*

Graphics	Type	Memory	Max Resolution	Connector	Key Features
AMD Radeon™ 740M	Integrated	Shared	4096x2160@60Hz(HDMI®), 4096x2160@60Hz(DP)	2x DP 1.4a (HBR2, DSC), 1x HDMI® 2.1 TMDS	DirectX® 12
AMD Radeon™ 760M	Integrated	Shared	4096x2160@60Hz(HDMI®), 4096x2160@60Hz(DP)	2x DP 1.4a (HBR2, DSC), 1x HDMI® 2.1 TMDS	DirectX® 12
AMD Radeon™ 780M	Integrated	Shared	4096x2160@60Hz(HDMI®), 4096x2160@60Hz(DP)	2x DP 1.4a (HBR2, DSC), 1x HDMI® 2.1 TMDS	DirectX® 12
AMD Radeon™ RX 6400	Discrete	4GB GDDR6	7680x4320@60Hz(HDMI®), 7680x4320@60Hz(DP)	1x HDMI® 2.1 FRL, 1x DP 1.4a	DirectX® 12, OpenGL 4.6

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays via onboard ports (2x DisplayPort™ and 1x HDMI®), more displays support via discrete graphics

### Chipset

#### Chipset

AMD PRO665 Chipset

## Memory

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

Up to 64GB DDR5-5200

### Memory Slots

Two DDR5 UDIMM slots, dual-channel capable

### Memory Type<sup>[2]</sup>

DDR5-5200

Notes:

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

[2] Installed memory is actually DDR5-5600 but may run as DDR5-5200 due to the memory support capability of processor.

## Storage

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

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

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

### Storage Type<sup>\*\*\*</sup>

Disk Type	Interface	RPM	Security
3.5" SATA HDD	SATA 6Gb/s	7.2K	-
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	-	Opal 2.0

### RAID

RAID 0/1 support for M.2 SSDs (RAID preset only available via special bid models)

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 connector, slim (9.0mm)
- None

### Card Reader

- 3-in-1 card reader (SD, SDHC, SDXC)
- No card reader

## Multi-Media

### Audio Chip

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

### Speakers

- No speakers
- Single speaker, 1W x1

## Power Supply

### Power Supply<sup>\*\*</sup>

Power	Type	Efficiency	Key Features
180W	Fixed	85%	100-240V, 50-60Hz
260W	Fixed	90%	100-240V, 50-60Hz
310W	Fixed	92%	100-240V, 50-60Hz

## DESIGN

## Input Device

### Keyboard\*\*

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

### Mouse

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

## Mechanical

### Form Factor

SFF (8.2L)

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

92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)

### Packaging Dimensions (WxDxH)

195 x 395 x 530 mm (7.68 x 15.55 x 20.87 inches)

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

Around 4.6 kg (10.1 lbs)

### Packaging Weight

Around 7.5 kg (16.5 lbs)

### Case Color

Black

### Bays

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

### Expansion Slots

- One PCIe® 3.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- One PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Three M.2 slots (one for WLAN, two for SSD)

### EOU

Toolless cover, memory, disk, optical, extension card assembly / removal

### Stand

- Vertical stand
- No stand

### Others

- (Optional) Dust filter
- Supports Smart Power On

### 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, Realtek® RTL8111FP, 1x RJ-45, supports DASH and Wake-on-LAN

#### Optional Ethernet

- 2.5 Gigabit Ethernet, Realtek® RTL8125BGS, 1x RJ-45, PCIe® x1
- No optional Ethernet

#### WLAN + Bluetooth®\*\*

- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- AMD Wi-Fi® 6E RZ616, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 Card
- No WLAN and Bluetooth®

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

### Front Ports

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging
- 4x USB-A (USB 5Gbps / 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>

- 4x USB-A (Hi-Speed USB / USB 2.0)
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

### Optional Rear Ports<sup>\*\*\*</sup>

- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), support data transfer, via PCIe® x4 card
- 2x USB-C® (USB 10Gbps / USB 3.2 Gen 2), support data transfer, via PCIe® x4 card
- 2x USB-A (Hi-Speed USB / USB 2.0), via 2-port adapter
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), via 2-port USB expansion card, PCIe® x1
- 1x parallel
- 1x serial

### 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.

[2] For video ports on discrete graphics, please see graphics section.

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

#### Physical Locks

- (Optional) E-lock
- (Optional) Smart Cable Clip
- Kensington® Security Slot™, 3 x 7 mm
- Padlock Loop

#### Chassis Intrusion Switch

- Chassis intrusion switch
- No chassis intrusion switch

#### Fingerprint Reader

No fingerprint reader

#### Other Security

Pluton security processor

#### BIOS Security

- Administrator password

- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Self-healing BIOS<sup>[1]</sup>
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)

Notes:

[1] Self-healing BIOS is only available via Special Bids

## MANAGEABILITY

### System Management

#### System Management

- DASH 1.1 / 1.2
- Non-DASH

## SERVICE

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

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year limited onsite service
- No base warranty

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://support.lenovo.com/warrantylookup/warrantypolicy>.

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- DP to DVI dongle
- DP to HDMI® dongle
- DP to VGA dongle
- HDMI® to VGA dongle
- Smart Cable (USB-A to USB-C®)
- None

## 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>[1]</sup>

#### Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered<sup>[2]</sup>
- (Optional) EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 3
- GREENGUARD®
- RoHS compliant
- TCO Certified 9.0

#### 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>.

[2], [3] EPEAT™ is registered where applicable, please visit [epeat.net](https://epeat.net) for registration status by country.

### Other Certifications

#### Other Certifications

(Optional) TÜV Rheinland® Ultra Low Noise

#### Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation, Contamination by Fluids, Salt Fog)

- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
- Feature with \*\*\* means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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