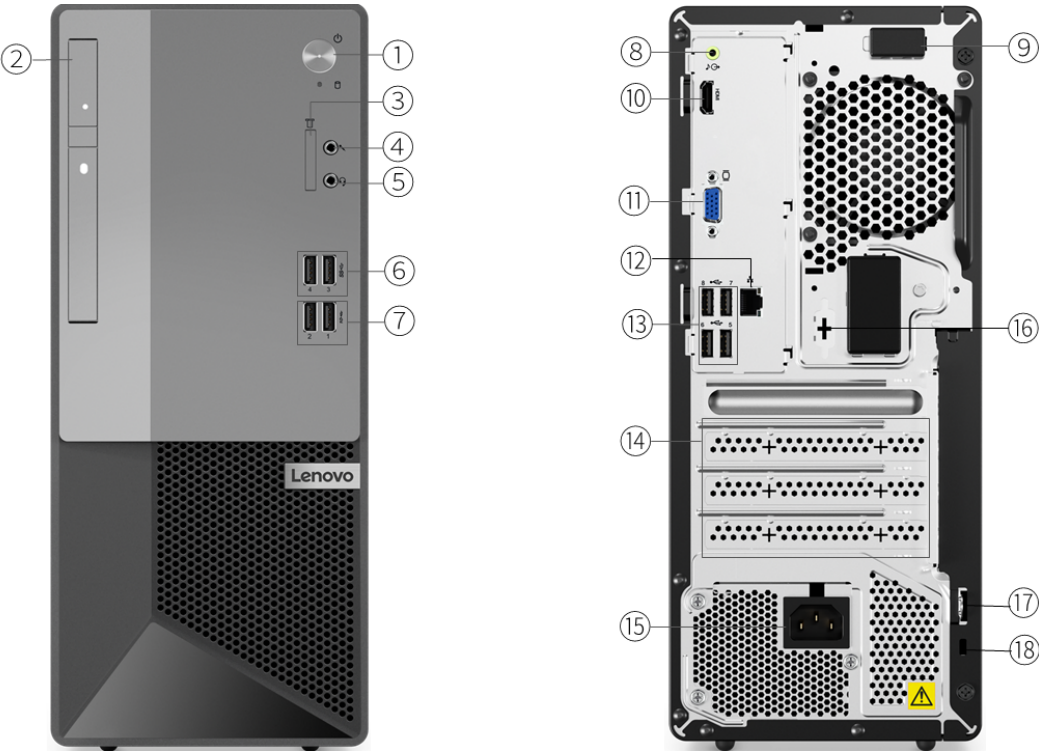


OVERVIEW



1. Power button	10. HDMI
2. Optical drive *	11. VGA
3. Card reader *	12. Ethernet (RJ-45)
4. Microphone (3.5mm)	13. 4x USB 2.0
5. Headphone / microphone combo jack (3.5mm)	14. Optional ports on expansion cards *
6. 2x USB 3.2 Gen 1	15. Power connector
7. 2x USB 3.2 Gen 2	16. Serial *
8. Audio line-out (3.5mm)	17. Padlock loop *
9. Smart cable clip slots *	18. Kensington Security Slot *

- 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 Processor

Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
AMD Ryzen™ 3 4300G	4	8	3.8GHz	4.0GHz	2MB L2 / 4MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen™ 3 5300G	4	8	4.0GHz	4.2GHz	2MB L2 / 8MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen™ 5 4600G	6	12	3.7GHz	4.2GHz	3MB L2 / 8MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen™ 5 5600G	6	12	3.9GHz	4.4GHz	3MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen™ 7 4700G	8	16	3.6GHz	4.4GHz	4MB L2 / 8MB L3	DDR4-3200	AMD Radeon™ Graphics
AMD Ryzen™ 7 5700G	8	16	3.8GHz	4.6GHz	4MB L2 / 16MB L3	DDR4-3200	AMD Radeon™ Graphics

Operating System

Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Windows® 10 Pro 64
- Windows® 10 Home 64
- Windows® 10 Home 64 Single Language
- No preload operating system

Graphics

Graphics\*\*[1]

Graphics	Type	Memory	Connector	Max Resolution	Key Features
AMD Radeon™ Graphics	Integrated	Shared	1x HDMI® 1.4b, 1x VGA	3840x2160@30Hz(HDMI®), 2048x1536@50Hz(VGA)	DirectX® 12
AMD Radeon™ RX 550X[2]	Discrete	4GB GDDR5	1x HDMI® 2.0, 1x VGA, 1x DP 1.4	4096x2160@60Hz(HDMI®), 2048x1536@85Hz(VGA), 3840x2160@60Hz(DP)	DirectX® 12
AMD Radeon™ RX 6400[3]	Discrete	4GB GDDR6	1x HDMI® 2.1 FRL, 1x DP 1.4a	7680x4320@60Hz(HDMI®), 7680x4320@60Hz(DP)	DirectX® 12, OpenGL 4.6

Notes:

[1] The information of integrated graphics are not applicable for the models with processor which has no integrated graphics inside (for the details, please refer to processor section).

[2], [3] The onboard video ports VGA, and HDMI® are disabled on the models with discrete graphics.

Monitor Support

Monitor Support

Supports up to 2 independent displays via onboard ports (VGA and HDMI®), more displays support via discrete graphics

Chipset

Chipset

AMD PRO 565 chipset

Memory<sup>[1]</sup>

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

Up to 64GB DDR4-3200

Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

Memory Type

DDR4-3200

Memory Protection

Non-ECC

Notes:

[1] Recommend to choose the models with more than 4GB for better performance and experience.

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

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

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

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC222 codec

Speakers

- No speakers
- Single speaker, 2W x1

Power Supply

Power Supply\*\*

Power	Type	Efficiency
180W	Fixed	85%
260W	Fixed	85%

## 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
- Lenovo® Fingerprint Mouse (USB connector), black (EOL on Jan, 2023)
- No mouse

### Mechanical

#### Form Factor

Tower (13.6L)

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

145 x 272.3 x 340 mm (5.71 x 10.72 x 13.39 inches)

#### Packaging Dimensions (WxDxH)

240 x 395 x 530 mm (9.45 x 15.55 x 20.87 inches)

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

Around 4.7 kg (10.36 lbs)

#### Packaging Weight

Around 6.1 kg (13.45 lbs)

#### Case Color

Black (chassis), grey (bezel)

#### Bays\*\*\*

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

#### Expansion Slots

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

#### Mounting

None

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® RTL8111HN, 1x RJ-45, supports Wake-on-LAN

#### Optional Ethernet

No optional Ethernet

#### WLAN + Bluetooth®\*\*

- Realtek® RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth® 5.0, M.2 card
- Qualcomm® QCA6174A, 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth® 5.0, M.2 card
- MediaTek Wi-Fi® 6 MT7921, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1, M.2 Card
- Realtek® Wi-Fi® 6 RTL8852AE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.0, M.2 card
- No WLAN and Bluetooth®

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

### Front Ports

- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)
- 1x microphone (3.5mm)

### Optional Front Ports

1x card reader

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

- 4x USB 2.0
- 1x HDMI®-out
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

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

- 2x USB-C® 3.2 Gen 1 (via 2-port USB-C® expansion card)
- 1x parallel
- 1x 2nd serial
- None

#### 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

Firmware TPM 2.0 integrated in processor

#### Physical Locks<sup>\*\*\*</sup>

- (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

- Touch style fingerprint reader on mouse (EOL on Jan, 2023)
- No fingerprint reader

#### BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## MANAGEABILITY

System Management

System Management

Non-vPro®

SERVICE

Warranty<sup>[1]</sup>

Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year limited onsite 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 <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)

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)

ACCESSORIES

Bundled Accessories

Bundled Accessories

- None
- HDMI® to DVI dongle

CERTIFICATIONS

Green Certifications<sup>[1]</sup>

Green Certifications\*\*\*

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered<sup>[2]</sup>
- RoHS / WEEE / REACH
- TCO Certified

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

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

- 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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