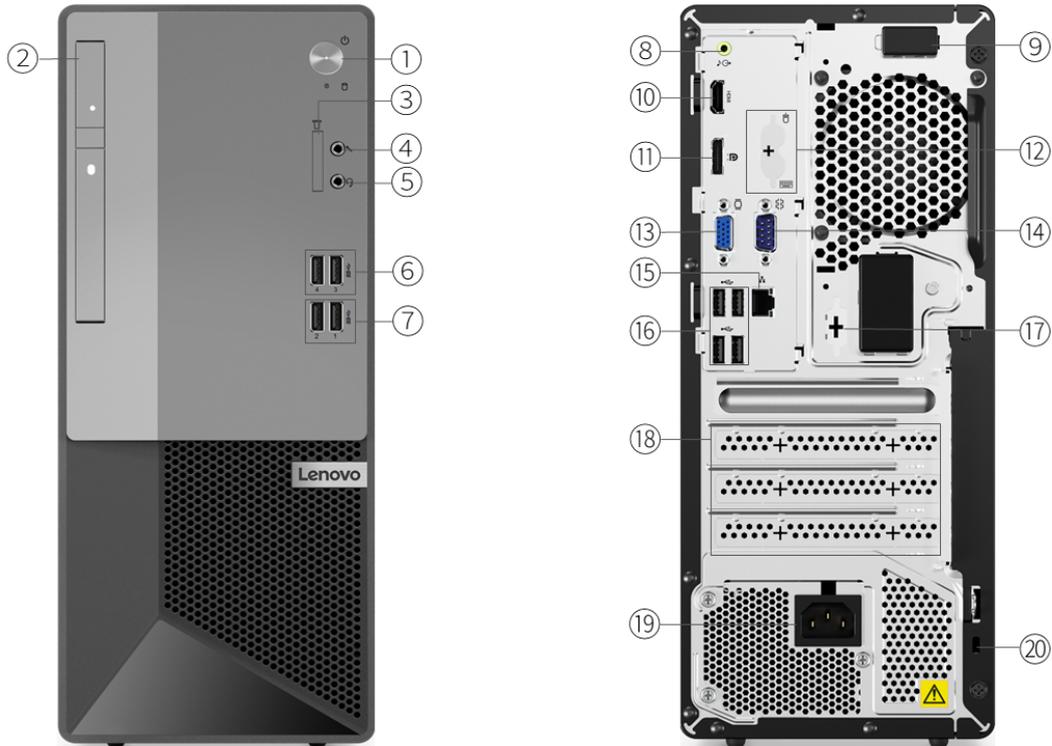


**OVERVIEW**



1. Power button	11. DisplayPort 1.4
2. Optical drive *	12. 2x PS/2 ports (keyboard / mouse) *
3. Card reader	13. VGA
4. Microphone (3.5mm)	14. Serial
5. Headphone / microphone combo jack (3.5mm)	15. Ethernet (RJ-45)
6. 2x USB 3.2 Gen 1	16. 4x USB 2.0
7. 2x USB 3.2 Gen 2	17. Serial *
8. Audio line-out (3.5mm)	18. Optional ports on expansion cards *
9. Smart cable clip slots *	19. Power connector
10. HDMI 2.0	20. Kensington Security Slot

Notes:

- Items with \* are only available on selected models
- Onboard video ports are only available for the models with integrated graphics

## PERFORMANCE

### Processor

#### Processor Family

Intel® Celeron®, Intel Pentium®, 10th Generation Intel Core™ i3 / i5 / i7, or 11th Generation Intel Core i5 / i7 / i9 Processor

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Celeron G5905	2	2	3.5GHz	-	4MB	DDR4-2666	Intel UHD Graphics 610
Pentium Gold G6405	2	4	4.1GHz	-	4MB	DDR4-2666	Intel UHD Graphics 610
Core i3-10100	4	8	3.6GHz	4.3GHz <sup>[1]</sup>	6MB	DDR4-2666	Intel UHD Graphics 630
Core i3-10105	4	8	3.7GHz	4.4GHz <sup>[2]</sup>	6MB	DDR4-2666	Intel UHD Graphics 630
Core i5-10400	6	12	2.9GHz	4.3GHz <sup>[3]</sup>	12MB	DDR4-2666	Intel UHD Graphics 630
Core i5-10400F	6	12	2.9GHz	4.3GHz <sup>[4]</sup>	12MB	DDR4-2666	-
Core i7-10700	8	16	2.9GHz	4.8GHz <sup>[5]</sup>	16MB	DDR4-2933	Intel UHD Graphics 630
Core i7-10700F	8	16	2.9GHz	4.8GHz <sup>[6]</sup>	16MB	DDR4-2933	-
Core i5-11400	6	12	2.6GHz	4.4GHz <sup>[7]</sup>	12MB	DDR4-3200	Intel UHD Graphics 730
Core i5-11400F	6	12	2.6GHz	4.4GHz <sup>[8]</sup>	12MB	DDR4-3200	-
Core i7-11700	8	16	2.5GHz	4.9GHz <sup>[9]</sup>	16MB	DDR4-3200	Intel UHD Graphics 750
Core i9-11900	8	16	2.5GHz	5.2GHz <sup>[10]</sup>	16MB	DDR4-3200	Intel UHD Graphics 750

Notes:

[1], [2], [3], [4], [5], [6], [7], [8], [9], [10] 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® 10 Home 64
- Windows 10 Home 64 Single Language
- Windows 10 Pro 64
- Windows 11 DG Windows 10 Pro 64
- Windows 11 Home
- Windows 11 Home Single Language
- Windows 11 Pro
- No operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	Connector	Max Resolution	Key Features
Intel UHD Graphics 610	Integrated	Shared	1x HDMI® 2.0, 1x VGA, 1x DP 1.4	3840x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP)	DirectX® 12
Intel UHD Graphics 630	Integrated	Shared	1x HDMI 2.0, 1x VGA, 1x DP 1.4	3840x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP)	DirectX 12
Intel UHD Graphics 730	Integrated	Shared	1x HDMI 2.0, 1x VGA, 1x DP 1.4	3840x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP)	DirectX 12
Intel UHD Graphics 750	Integrated	Shared	1x HDMI 2.0, 1x VGA, 1x DP 1.4	3840x2160@30Hz(HDMI), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP)	DirectX 12

AMD Radeon™ RX 550X <sup>[1]</sup>	Discrete	4GB GDDR5	1x HDMI 2.0, 1x VGA, 1x DP 1.4	4096x2160@60Hz(HDMI), 2048x1536@85Hz(VGA), 3840x2160@60Hz(DP)	DirectX 12
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Notes:  
[1] The onboard video ports VGA, DP and HDMI are disabled on the models with discrete graphics.

## Monitor Support

### Monitor Support

Supports up to 3 independent displays via (HDMI, DP and VGA)

## Chipset

### Chipset

Intel B560 chipset

## Memory

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

Up to 64GB DDR4-2933

### Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

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

- DDR4-2666
- DDR4-2933

### 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 3200MHz, but may run at 2666MHz, 2933 MHz or 3200MHz depending on the memory support capability of processor.

## 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<sup>\*\*\*</sup>

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

### 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<sup>\*\*</sup>

- DVD-ROM, SATA 1.5Gb/s, slim (9.0mm)
- 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® ALC623-CG codec or ALC897Q codec

**Speakers**

- No speakers
- Single speaker, 2W x1

**Power Supply****Power Supply\*\***

Power	Type	Efficiency
180W	Fixed	85%
260W	Fixed	85%
310W	Fixed	92%
380W	Fixed	92%

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

- Euterpe Wireless Keyboard, black
- 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)
- Euterpe Wireless Mouse, grey
- No mouse

**Mechanical****Buttons**

- Optical drive eject button (ODD models only)
- Power button

**Form Factor**

Tower (13.6L)

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

145 x 278 x 340 mm (5.7 x 10.94 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 4.8 kg (10.6 lbs)

**Packaging Weight**

Around 8.3 kg (18.3 lbs)

**Case Color**

Black (chassis), silver (bezel)

**Bays\*\*\***

- 1x 2.5" disk bay (optional)
- 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)

**Stand**

No stand

**Cooling System (Fan & Cooler)**

(Optional) 1x front system fan

**Others**

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

**Optional Ethernet**

No optional Ethernet

**WLAN + Bluetooth<sup>®</sup>\***

- Realtek RTL8822CE, 802.11ac Dual Band 2x2 Wi-Fi<sup>®</sup> + Bluetooth 5.0, M.2 card
- Intel Wireless-AC 9260, 802.11ac Dual Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Intel Wi-Fi 6 AX200, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, M.2 card
- Realtek Wi-Fi 6 RTL8852AE, 802.11ax Dual Band 2x2 Wi-Fi + Bluetooth 5.1, 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**

- 4x USB 2.0
- 1x HDMI 2.0
- 1x DisplayPort™ 1.4
- 1x VGA
- 1x Ethernet (RJ-45)
- 1x line-in (3.5mm)
- 1x serial (9-pin)

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

- 1x parallel
- 1x 2nd serial
- 2x PS/2
- 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.

## Monitor Cable

### Monitor Cable\*\*

- HDMI to DVI dongle
- DP to DVI dongle
- No monitor cable

## SECURITY & PRIVACY

### Security

#### Security Chip

Firmware TPM 2.0 integrated in chipset

#### Physical Locks\*\*\*

- (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
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Disable IO ports by BIOS: USB, Audio

## 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)

### 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

## CERTIFICATIONS

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

#### Green Certifications\*\*\*

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

#### 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 <https://www.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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