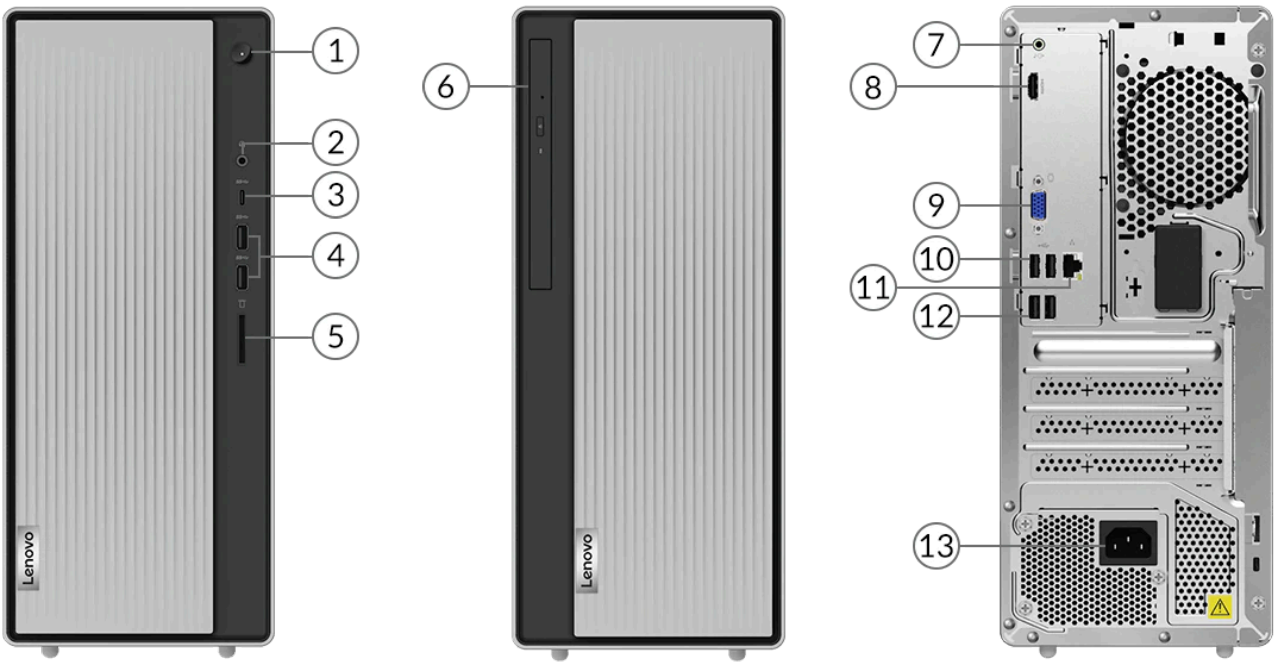
OVERVIEW



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

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
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
- No operating system

Graphics

Graphics[1]

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
AMD Radeon™ RX 550X	Discrete	4GB GDDR5	1x HDMI 2.0, 1x VGA, 1x DP 1.4	4096x2160@60Hz(HDMI), 2048x1536@60Hz(VGA), 5120x2880@60Hz(DP)	DirectX 12
NVIDIA® GeForce® GT 730	Discrete	2GB GDDR5	1x HDMI 1.4, 1x VGA	3840x2160@30HZ(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

Max Memory[1]

Up to 32GB DDR4-2933

Memory Slots

Two DDR4 UDIMM slots, dual-channel capable

Memory Type[2]

DDR4-2933

Memory Protection

Non-ECC

Notes:

1. The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
2. Installed memory is actually 2933MHz, but may run at 2666MHz or 2933MHz depending on the memory support capability of processor

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 1TB
• Optional Intel Optane™ Memory or Optane Memory Integrated with SSD, M.2

Storage Type

Disk Type	Interface	RPM	Security
Intel Optane Memory	PCIe NVMe	-	-
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	-	-

RAID

No support

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-CG codec

Speakers

No speakers

Power Supply

Power Supply

Power	Type	Efficiency	Key Features
260W	Fixed	85%	100V - 240V
310W	Fixed	92%	100V - 240V
380W	Fixed	92%	100V - 240V

DESIGN

Input Device

Keyboard

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

Mouse

Lenovo Calliope Mouse (USB connector), black

Mechanical

Form Factor

Tower (13.6L)

Dimensions (WxDxH)

145 x 284.6 x 340 mm (5.71 x 11.2 x 13.39 inches)

Weight

5.4 kg (11.9 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, full height
- One PCIe 3.0 x1, full height
- Two M.2 slots (one for WLAN, one for SSD)

Cooling System (Fan&Cooler)

(Optional) Front system fan, rear system fan

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
- No WLAN and Bluetooth

Ports[1]

Front Ports

- 2x USB 3.2 Gen 1
- 1x USB-C 3.2 Gen 1 (support data transfer and 5V@3A charging)
- 1x headphone / microphone combo jack (3.5mm)

Optional Front Ports

1x card reader

Rear Ports[2]

- 4x USB 2.0
- 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, formely USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
   USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formely 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

BIOS Security

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

SERVICE

Warranty

Base Warranty

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

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: -15.2 m (-50 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 12192 m (40,000 ft)

CERTIFICATIONS

Green Certifications

Green Certifications

- ENERGY STAR® 8.0 (on some models)
- ErP Lot 3
- RoHS compliant











