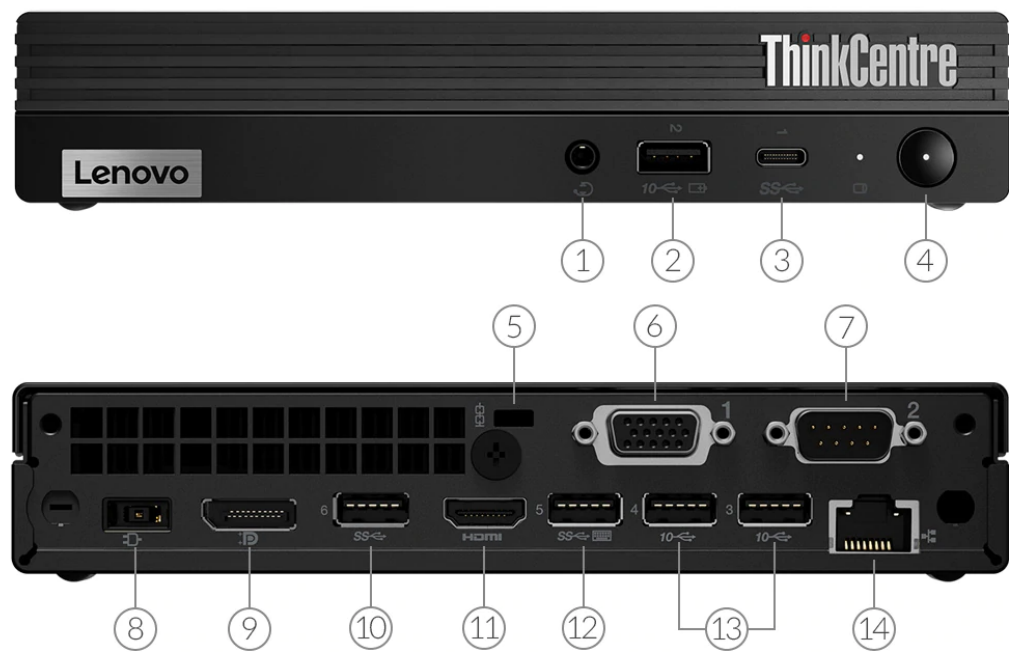


OVERVIEW



|                                              |                      |
|----------------------------------------------|----------------------|
| 1. Headphone / microphone combo jack (3.5mm) | 8. Power connector   |
| 2. USB 3.2 Gen 2                             | 9. DisplayPort       |
| 3. USB-C 3.2 Gen 1                           | 10. USB 3.2 Gen 2    |
| 4. Power button                              | 11. HDMI             |
| 5. Kensington Security Slot                  | 12. USB 3.2 Gen 2    |
| 6. Optional port 1 (VGA is shown) *          | 13. 2x USB 3.2 Gen 1 |
| 7. Optional port 2 (serial is shown) *       | 14. Ethernet (RJ-45) |

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 / i9 Processor

Processor

| Processor Name      | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics     |
|---------------------|-------|---------|----------------|---------------|-------|----------------|------------------------|
| Celeron G5900T      | 2     | 2       | 3.2GHz         | -             | 2MB   | DDR4-2666      | Intel UHD Graphics 610 |
| Celeron G5905T      | 2     | 2       | 3.3GHz         | -             | 4MB   | DDR4-2666      | Intel UHD Graphics 610 |
| Pentium Gold G6400T | 2     | 4       | 3.4GHz         | -             | 4MB   | DDR4-2666      | Intel UHD Graphics 610 |
| Pentium Gold G6500T | 2     | 4       | 3.5GHz         | -             | 4MB   | DDR4-2666      | Intel UHD Graphics 630 |
| Core i3-10100T      | 4     | 8       | 3.0GHz         | 3.8GHz        | 6MB   | DDR4-2666      | Intel UHD Graphics 630 |
| Core i3-10300T      | 4     | 8       | 3.0GHz         | 3.9GHz        | 8MB   | DDR4-2666      | Intel UHD Graphics 630 |
| Core i5-10400T      | 6     | 12      | 2.0GHz         | 3.6GHz        | 12MB  | DDR4-2666      | Intel UHD Graphics 630 |
| Core i5-10500T      | 6     | 12      | 2.3GHz         | 3.8GHz        | 12MB  | DDR4-2666      | Intel UHD Graphics 630 |
| Core i5-10600T      | 6     | 12      | 2.4GHz         | 4.0GHz        | 12MB  | DDR4-2666      | Intel UHD Graphics 630 |
| Core i7-10700T      | 8     | 16      | 2.0GHz         | 4.5GHz        | 16MB  | DDR4-2933      | Intel UHD Graphics 630 |
| Core i9-10900T      | 10    | 20      | 1.9GHz         | 4.6GHz        | 20MB  | DDR4-2933      | Intel UHD Graphics 630 |

Operating System

Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- Windows 10 IoT Enterprise
- Ubuntu Linux
- No operating system

Graphics

Graphics<sup>[1]</sup>

| Graphics               | Type       | Memory | Connector                                                                       | Max Resolution                                                                                                                  | Key Features |
|------------------------|------------|--------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------|
| Intel UHD graphics 630 | Integrated | Shared | 1x HDMI®, 1x DP, 1x optional video port (2nd HDMI, VGA, 2nd DP, USB-C, dual DP) | 4096x2160@24Hz(onboard HDMI), 4096x2304@60Hz(DP), 3840x2160@60Hz(Dual DP, MST mode), 2048x1536@50Hz(VGA), 4096x2304@60Hz(USB-C) | DirectX® 12  |
| Intel UHD graphics 610 | Integrated | Shared | 1x HDMI, 1x DP, 1x optional video port (2nd HDMI, VGA, 2nd DP, USB-C, dual DP)  | 4096x2160@24Hz(onboard HDMI), 4096x2304@60Hz(DP), 3840x2160@60Hz(Dual DP, MST mode), 2048x1536@50Hz(VGA), 4096x2304@60Hz(USB-C) | DirectX 12   |

Notes:

1. Integrated graphics information and onboard video ports information are not applicable for all models without integrated graphics (for the details, please refer to processor section)

Monitor Support

Monitor Support

Supports up to 3 independent displays via two onboard ports (DP + HDMI) + one optional port (VGA / 2nd DP / 2nd HDMI / USB-C) , or via one onboard (DP / HDMI) + optional dual DP (MST mode)

Chipset

Chipset

Intel Q470 chipset

Memory

Memory Type

- DDR4-2666
- DDR4-2933

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Protection

Non-ECC

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

Up to 64GB DDR4-2933

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.

Storage

Storage Support

Up to two drives, 1x 2.5" HDD + 1x M.2 2242/2280 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 2TB
- Optional Intel Optane™ Memory, M.2

RAID

Not support

Storage Type

| Disk Type               | Interface              | RPM  | Security |
|-------------------------|------------------------|------|----------|
| 2.5" SATA HDD           | SATA 6Gb/s             | 7.2K | -        |
| M.2 2242 SSD            | PCIe NVMe, PCIe 3.0 x2 | -    | -        |
| 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     |
| Intel Optane Memory M10 | PCIe NVMe, PCIe 3.0 x2 | -    | -        |

Removable Storage

Optical

- DVD-ROM, slim (9.0mm), via USB external ODD box
- DVD burner (DVD±RW), slim (9.0mm), via USB external ODD box
- None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233VB codec

Speakers

Single speaker, 1.5W x1

Power Supply

Power Supply

| Power           | Type    | Efficiency | Key Features |
|-----------------|---------|------------|--------------|
| 65W             | Adapter | 89%        | Autosensing  |
| 90W             | Adapter | 89%        | Autosensing  |
| 135W            | Adapter | 89%        | Autosensing  |
| No power supply | -       | -          | -            |

DESIGN

Input Device

Keyboard

- Lenovo Calliope Keyboard (USB connector), black
- Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black
- Lenovo Traditional Keyboard (USB connector), black
- No keyboard

Mouse

- Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black
- Lenovo Calliope Mouse (USB connector), black
- Lenovo Fingerprint Mouse (USB connector), Windows Hello support, black
- No mouse

Mechanical

Form Factor

Tiny (1L)

Dimensions (WxDxH)

| Models                    | Dimensions                                                                                  |
|---------------------------|---------------------------------------------------------------------------------------------|
| Tiny only                 | 179 x 183 x 34.5 / 37 mm with rubber feet (7.05 x 7.2 x 1.36 / 1.5 inches with rubber feet) |
| With VESA mount & ODD box | 187 x 183.8 x 66.5 mm (7.36 x 7.24 x 2.62 inches)                                           |

Weight

| Models                    | Weight             |
|---------------------------|--------------------|
| Tiny only                 | 1.25 kg (2.76 lbs) |
| With VESA mount & ODD box | 1.74 kg (3.84 lbs) |

Case Color

Black

Bays

1x 2.5" disk bay

Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

EOU

(Optional) Toolless chassis open (Toolless Chassis Screw required) and toolless M.2 SSD, HDD, memory assembly / removal

Stand

- Vertical stand
- No stand

Mounting

- VESA mount bracket kit, supports VESA 75mm and 100mm
- Not configured

**Others**

- (Optional) Dust Filter
- (Optional) Power adapter cage

**CONNECTIVITY****Network****Onboard Ethernet**

Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ45, 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
- Intel Wireless-AC 9560, 802.11ac Dual-Band 2x2 Wi-Fi + Bluetooth 5.0, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, Intel vPro technology support, M.2 Card
- No WLAN and Bluetooth

**Ports<sup>[1]</sup>****Front Ports**

- 1x USB 3.2 Gen 2 (Always On and fast charge)
- 1x USB-C 3.2 Gen 1
- 1x headphone / microphone combo jack (3.5mm)

**Optional Front Ports**

None

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

- 2x USB 3.2 Gen 1
- 2x USB 3.2 Gen 2
- 1x Ethernet (RJ-45)
- 1x HDMI
- 1x DisplayPort™

**Optional Rear Ports**

- Optional Port 1 (VGA / 2nd DisplayPort / 2nd HDMI / serial / USB-C 3.2 Gen 1 with DisplayPort function, select one)
- Optional Port 2 (serial)
- Dual USB 3.2 Gen 1 ports (share one USB 3.2 Gen 1 bandwidth, occupy optional port 1 and 2)
- Dual DisplayPort ports (occupy Optional Port 1 and 2)

**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;  
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

**Monitor Cable****Monitor Cable**

- DP to VGA dongle
- DP to dual DP dongle
- HDMI to HDMI Cable (1.5m)
- HDMI to VGA Dongle
- DP to DVI-D dongle
- DP to HDMI 1.4 dongle
- DP to VGA Cable (1.5M)
- No monitor cable

## SECURITY & PRIVACY

### Security

#### Security Chip

Discrete TPM 2.0, TCG certified

#### Physical Locks

Kensington® Security Slot

#### Chassis Intrusion Switch

Chassis intrusion switch

#### Fingerprint Reader

- Touch style fingerprint reader on mouse
- No fingerprint reader

#### BIOS Security

- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Individual USB port disablement

## MANAGEABILITY

### System Management

#### System Management<sup>[1]</sup>

- Intel vPro with Intel AMT 14.0
- None

Notes:

1. Require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection

## SERVICE

### Warranty

#### Base Warranty

- 1-year depot service
- 1-year limited onsite service
- 3-year limited onsite service
- No base warranty

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- (Optional) EPEAT™ Gold
- (Optional) EPEAT Silver
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO Certified 8.0
- RoHS compliant

### Other Certifications

#### Other Certifications

- (Optional) TÜV Low Noise certified
- (Optional) TÜV Ultra Low Noise certified



- None

**Mil-Spec Test**

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

