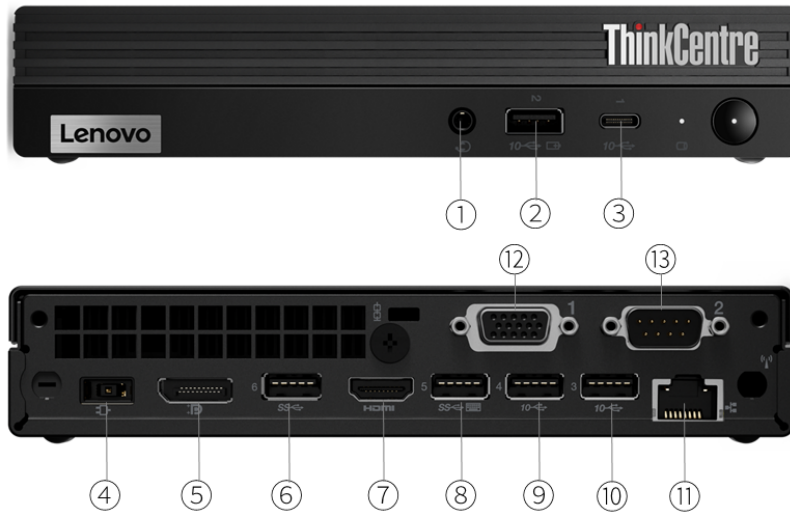


OVERVIEW



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

Notes:

- Ports with * are only available on selected models

PERFORMANCE

Processor

Processor Family

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

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Memory Support | Processor Graphics |
|---------------------|-------|---------|----------------|---------------|-------|----------------|------------------------|
| Celeron G5905T | 2 | 2 | 3.3GHz | - | 4MB | DDR4-2666 | Intel UHD Graphics 610 |
| Celeron G5925 | 2 | 2 | 3.6GHz | - | 4MB | DDR4-2666 | Intel UHD Graphics 610 |
| Pentium Gold G6505T | 2 | 4 | 3.6GHz | - | 4MB | DDR4-2666 | Intel UHD Graphics 630 |
| Pentium Gold G6605 | 2 | 4 | 4.3GHz | - | 4MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i3-10105 | 4 | 8 | 3.7GHz | 4.4GHz | 6MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i3-10105T | 4 | 8 | 3.0GHz | 3.9GHz | 6MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i3-10305 | 4 | 8 | 3.8GHz | 4.5GHz | 8MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i3-10305T | 4 | 8 | 3.0GHz | 4.0GHz | 8MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i3-10325 | 4 | 8 | 3.9GHz | 4.7GHz | 8MB | DDR4-2666 | Intel UHD Graphics 630 |
| Core i5-11400 | 6 | 12 | 2.6GHz | 4.4GHz | 12MB | DDR4-3200 | Intel UHD Graphics 730 |
| Core i5-11400T | 6 | 12 | 1.3GHz | 3.7GHz | 12MB | DDR4-3200 | Intel UHD Graphics 730 |
| Core i5-11500 | 6 | 12 | 2.7GHz | 4.6GHz | 12MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i5-11500T | 6 | 12 | 1.5GHz | 3.9GHz | 12MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i5-11600 | 6 | 12 | 2.8GHz | 4.8GHz | 12MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i5-11600T | 6 | 12 | 1.7GHz | 4.1GHz | 12MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i7-11700 | 8 | 16 | 2.5GHz | 4.9GHz | 16MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i7-11700T | 8 | 16 | 1.4GHz | 4.6GHz | 16MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i9-11900 | 8 | 16 | 2.5GHz | 5.2GHz | 16MB | DDR4-3200 | Intel UHD Graphics 750 |
| Core i9-11900T | 8 | 16 | 1.5GHz | 4.9GHz | 16MB | DDR4-3200 | Intel UHD Graphics 750 |

Operating System

Operating System**

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

Graphics

Graphics**[1]

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

| | | | dual DP) | 4096x2304@60Hz(USB-C) | | |
|------------------------|------------|--------|--|---|------------|---|
| 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 730 | 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 750 | 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:

- 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 3 independent displays via (onboard DP, onboard HDMI, and one optional port [VGA / 2nd DP / 2nd HDMI / USB-C]) or (one onboard port [DP / HDMI] and optional dual DP [MST mode])

Chipset

Chipset

Intel Q570 chipset

Memory

Max Memory^[1]

- Up to 64GB DDR4-2666
- Up to 64GB DDR4-2933
- Up to 64GB DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Memory Type^{**[2]}

- DDR4-2666
- DDR4-2933
- DDR4-3200

Notes:

- The max memory is based on the test results with current Lenovo® memory offerings. The system may support more memory as the technology develops.
- 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^[1]

Up to three drives, 1x 2.5" HDD + 2x M.2 SSD

- 2.5" HDD up to 1TB
- M.2 SSD up to 2TB each

Storage Type^{***}

| Disk Type | Interface | RPM | Offering | Security |
|---------------|-------------|------|----------|----------|
| 2.5" SATA HDD | SATA 6Gb/s | 7.2K | - | - |
| M.2 2242 SSD | PCIe® NVMe® | - | - | - |

ThinkCentre M90q Gen 2

| | | | | |
|--------------|-----------|---|---|------|
| M.2 2280 SSD | PCIe NVMe | - | - | Opal |
|--------------|-----------|---|---|------|

RAID

No support

Notes:

- The storage capacity supported is based on the test results with current Lenovo storage offerings. The system may support larger storage as the technology develops.

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 |
| 230W | Adapter | 89% | Autosensing |
| No power supply | - | - | - |

DESIGN

Input Device

Keyboard**

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

Mouse**

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

Mechanical

Form Factor

Tiny (1L)

Dimensions (WxDxH)

| Models | Dimensions |
|-----------|--|
| Tiny only | 179 x 182.9 x 36.5 mm with rubber feet (7.05 x 7.2 x 1.44 inches with rubber feet) |

Packaging Dimensions (WxDxH)

- Tiny only: 141 x 268 x 490 mm (5.55 x 10.55 x 19.29 inches)
- With VESA mount & ODD box: 166 x 268 x 490 mm (6.54x 10.55 x 19.29 inches)

Weight

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

Packaging Weight

- Tiny only: 2.848 kg (6.28 lbs)
- With VESA mount & ODD box: 3.575 kg (7.88 lbs)

Case Color

Black

Bays

1x 2.5" disk bay

Expansion Slots

Three M.2 slots (one for WLAN, two for SSD)

EOU

- (Optional) toolless chassis open (toolless chassis screw required) and toolless M.2 SSD, HDD, memory assembly / removal
- No support

Stand

- Vertical stand
- No stand

Mounting

- VESA mount bracket kit, supports VESA mount 75mm and 100mm
- None

Others

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

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

Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ-45, supports Wake-on-LAN

Optional Ethernet^[1]

- Gigabit Ethernet, Intel Ethernet Server Adapter I350-T4, 4x RJ-45, PCIe x4
- No optional Ethernet

WLAN + Bluetooth[®]^[2]**

- 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 5.1, M.2 card
- Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card
- No WLAN and Bluetooth

Notes:

1. Intel Ethernet Server Adapter I350-T4 is not available in EMEA
2. Bluetooth 5.2 is hardware ready but may run at a lower version due to OS limitation

Ports^[1]**Front Ports**

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

Optional Front Ports

None

Rear Ports^[2]

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

Optional Rear Ports^{***}

- 2x USB 3.2 Gen 1 ports (share one USB 3.2 Gen 1 bandwidth, occupy optional port 1 and 2)
- 4x USB 3.2 Gen 1 (share one USB 3.2 Gen 1 bandwidth, occupy optional port 1 and 2)
- 2x DisplayPort ports (occupy Optional port 1 and 2)
- Optional port 1 (one of VGA / 2nd DisplayPort / 2nd HDMI / serial / USB-C 3.2 Gen 1 with DisplayPort function)
- Optional port 2 (serial)
- I/O Box

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™ 3/4: 40 Gbit/s
2. For video ports on discrete graphics, please see graphics section

Monitor Cable**Monitor Cable**^{***}

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

SECURITY & PRIVACY**Security****Security Chip**

Discrete TPM 2.0, TCG certified

Physical Locks

Kensington® Security Slot, 3 x 7 mm

Chassis Intrusion Switch

Chassis intrusion switch

Fingerprint Reader

- Touch style fingerprint reader on mouse
- No fingerprint reader

BIOS Security

- Administrator password
- Power-on 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^[1]

- Intel vPro
- Non-vPro

Notes:

1. Intel vPro offers a superset of DASH's defined capabilities.

SERVICE**Warranty****Base Warranty^{**[1]}**

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

Notes:

1. More information 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: 20% to 90%

Altitude

- Operating: 0 m (0 ft) to 3048 m (10,000 ft)
- Storage: -15.2 m (-50 ft) to 10668 m (35,000 ft)

CERTIFICATIONS**Green Certifications****Green Certifications**

- EPEAT™ Gold
- ENERGY STAR® 8.0
- RoHS compliant

Other Certifications**Other Certifications**

(Optional) Windows 10 Secured-core PCs

Mil-Spec Test

MIL-STD-810H military test passed

- 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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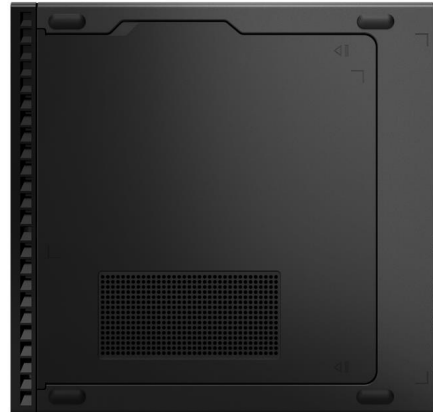
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