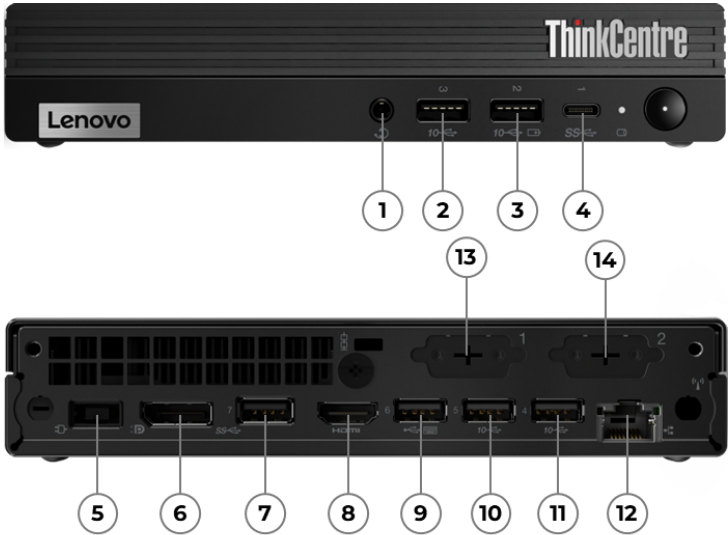


OVERVIEW



2

| | |
|--|--|
| 1. Headphone / microphone combo jack (3.5mm) | 8. HDMI 2.1 TMDS |
| 2. USB-A (USB 10Gbps) | 9. USB-A (Hi-Speed USB), with Smart Power On |
| 3. USB-A (USB 10Gbps), Always On and fast charge | 10. USB-A (USB 10Gbps) |
| 4. USB-C (USB 5Gbps) | 11. USB-A (USB 10Gbps) |
| 5. Power connector | 12. Ethernet (RJ-45) |
| 6. DisplayPort 1.4a | 13. Punch out port 1 * |
| 7. USB-A (USB 5Gbps) | 14. Punch out port 2 * |

Notes:

- Items with * are only available on selected models

PERFORMANCE

Processor

Processor Family

13th / 14th Generation Intel® Core™ i3 / i5 / i7 Processor, or Intel® 300T Processor

Processor**

| Processor Name | Cores | Threads | Base Frequency | Max Frequency | Cache | Processor Graphics |
|----------------|---------------------------|---------|-------------------------------|--|-------|-------------------------|
| Core i3-13100T | 4 (4 P-core + 0 E-core) | 8 | P-core 2.5GHz | P-core 4.2GHz | 12MB | Intel® UHD Graphics 730 |
| Core i5-13400T | 10 (6 P-core + 4 E-core) | 16 | P-core 1.3GHz / E-core 1.0GHz | P-core 4.4GHz / E-core 3.0GHz | 20MB | Intel® UHD Graphics 730 |
| Core i5-13500T | 14 (6 P-core + 8 E-core) | 20 | P-core 1.6GHz / E-core 1.2GHz | P-core 4.6GHz / E-core 3.2GHz | 24MB | Intel® UHD Graphics 770 |
| Core i5-13600T | 14 (6 P-core + 8 E-core) | 20 | P-core 1.8GHz / E-core 1.3GHz | P-core 4.8GHz / E-core 3.4GHz | 24MB | Intel® UHD Graphics 770 |
| Core i7-13700T | 16 (8 P-core + 8 E-core) | 24 | P-core 1.4GHz / E-core 1.0GHz | Max Turbo up to 4.9GHz / P-core 4.8GHz / E-core 3.6GHz | 30MB | Intel® UHD Graphics 770 |
| Core i3-14100T | 4 (4 P-core + 0 E-core) | 8 | P-core 2.7GHz | P-core 4.4GHz | 12MB | Intel® UHD Graphics 730 |
| Core i5-14400T | 10 (6 P-core + 4 E-core) | 16 | P-core 1.5GHz / E-core 1.1GHz | P-core 4.5GHz / E-core 3.2GHz | 20MB | Intel® UHD Graphics 730 |
| Core i5-14500T | 14 (6 P-core + 8 E-core) | 20 | P-core 1.7GHz / E-core 1.2GHz | P-core 4.8GHz / E-core 3.4GHz | 24MB | Intel® UHD Graphics 770 |
| Core i5-14600T | 14 (6 P-core + 8 E-core) | 20 | P-core 1.8GHz / E-core 1.3GHz | P-core 5.1GHz / E-core 3.6GHz | 24MB | Intel® UHD Graphics 770 |
| Core i7-14700T | 20 (8 P-core + 12 E-core) | 28 | P-core 1.3GHz / E-core 0.9GHz | Max Turbo up to 5.2GHz / P-core 5.0GHz / E-core 3.7GHz | 33MB | Intel® UHD Graphics 770 |
| Intel® 300T | 2 (2 P-core + 0 E-core) | 4 | P-core 3.4GHz | - | 6MB | Intel® UHD Graphics 710 |

Operating System

Operating System**

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 IoT Enterprise LTSC 2024
- Windows® 11 DG Windows® 10 Pro 64
- Ubuntu Linux
- IGEL Linux
- No preload operating system

Graphics

Graphics**

| Graphics | Type | Memory | Max Resolution | Connector | Key Features |
|-------------------------|------------|--------|---|--|--------------|
| Intel® UHD graphics 710 | Integrated | Shared | 4096x2160@60Hz(HDMI®), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP), 4096x2304@60Hz(USB-C® with DP function) | 1x HDMI® 2.1 TMDS, 1x DP 1.4a (HBR2, DSC), 2x optional punch out ports([2x HDMI®/VGA/DP] or [USB-C® with DP function, HDMI®/VGA/DP]) | DirectX® 12 |
| Intel® UHD graphics 730 | Integrated | Shared | 4096x2160@60Hz(HDMI®), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP), 4096x2304@60Hz(USB-C® with DP function) | 1x HDMI® 2.1 TMDS, 1x DP 1.4a (HBR2, DSC), 2x optional punch out ports([2x HDMI®/VGA/DP] or [USB-C® with DP function, | DirectX® 12 |

| | | | | | |
|-------------------------|------------|--------|---|---|-------------|
| | | | function) | HDMI®/VGA/DP]) | |
| Intel® UHD graphics 770 | Integrated | Shared | 4096x2160@60Hz(HDMI®), 1920x1200@60Hz(VGA), 4096x2304@60Hz(DP), 4096x2304@60Hz(USB-C® with DP function) | 1x HDMI® 2.1 TMDS, 1x DP 1.4a (HBR2, DSC), 2x optional punch out ports ([2x HDMI®/VGA/DP] or [USB-C® with DP function, HDMI®/VGA/DP]) | DirectX® 12 |

Monitor Support

Monitor Support

Supports up to 4 independent displays via (onboard DP, onboard HDMI®, 2x optional punch out port)

Chipset

Chipset

Intel® Q670 chipset

Memory

Max Memory^[1]

Up to 64GB (2x 32GB DDR5 SO-DIMM)

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Memory Type

- DDR5-4800
- DDR5-5200
- DDR5-5600

Notes:

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

Storage

Storage Support^[1]

Dual SSD mode: up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 2TB

Storage Type

| Disk Type | Interface | Security |
|--------------|---------------------------------------|----------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 Performance | Opal |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | Opal |

RAID

RAID 0/1 support for SSDs

Notes:

[1] The max capacity of each disk type is based on the test results with current Lenovo® storage offerings.

Removable Storage

Optical

None

Card Reader

No card reader

Multi-Media

Audio Chip

High Definition (HD) Audio, Realtek® ALC233VB or Conexant CX11771 codec

Speakers**

- Premium single speaker, 2W x1
- Single speaker, 2W x1

Power Supply

Power Supply**^[1]

| Power | Type | Efficiency | Key Features |
|-------|---------|------------|--------------|
| 65W | Adapter | 89% | Autosensing |
| 90W | Adapter | 89% | Autosensing |
| 135W | Adapter | 89% | Autosensing |
| 300W | Fixed | 90% | Autosensing |

Notes:

^[1] 135w power adapter is essential if optional USB-C® port is selected

When work with TIO monitor, an appropriate power adapter is needed. Customer may need to:

- Order a Tiny for TIO MT (12TF or 12TG) models
- Or order an additional 135W power adapter, if original power adapter is 90W

DESIGN

Input Device

Keyboard**

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

Mouse**

- Wireless EOS Mouse, black
- Lenovo® Calliope Mouse (USB connector), black
- No mouse

Mechanical

Form Factor

Tiny (1L)

Dimensions (WxDxH)^[1]

| 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)

490 x 128 x 250 mm (19.29 x 5.04 x 9.84 inches)

Weight^[2]

| Models | Weight |
|-----------|---------------------------|
| Tiny only | Around 1.25 kg (2.76 lbs) |

Packaging Weight

Around 3.2 kg (7.05 lbs)

Case Color

Raven black

Bays

No bays

Expansion Slots

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

EOU

- (Optional) Toolless cover and stand assembly / removal
- No support

Stand

- Vertical stand
- No stand

IO Box

No IO box

Mounting

- Supports VESA mount 100mm
- None

Others

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

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

Optional Ethernet

- 2.5 Gigabit Ethernet, Realtek® RTL8125BGS, 1x RJ-45, supports Wake-on-LAN
- No optional Ethernet

WLAN + Bluetooth®**

- Realtek® Wi-Fi® 6 RTL8852BE, 802.11ax Dual Band 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Intel® Wi-Fi® 6 AX201, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 Card
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, Intel® vPro® technology support, M.2 Card
- No WLAN and Bluetooth®

WWAN

No support

Ports^[1]

Front Ports

- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 5V@0.9A charging
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), with Always On and 5V@2.1A charging
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

Optional Front Ports

None

Rear Ports

- 1x USB-A (Hi-Speed USB / USB 2.0)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)

Optional Rear Ports

- Punch out port 1 (one of VGA / DisplayPort™ / HDMI® / serial / USB-C® (Hi-Speed USB / USB 2.0) with DisplayPort™ function and 100W PD in)^[2]
- Punch out port 2 (one of VGA / DisplayPort™ / HDMI® / serial / RJ-45)

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] Optional rear USB-C® (USB 5Gbps / USB 3.2 gen 1) for special bid only.

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^[1]

Fingerprint Reader

No fingerprint reader

BIOS Security

- Administrator password
- Power-on password
- Hard disk password
- Boot sequence control
- Certificate based BIOS authentication
- Cover presence switch
- Individual USB port disablement
- Secure Boot
- Secure Wipe
- Self-healing BIOS
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)

Notes:

[1] Chassis intrusion switch is hardware ready function and needs to be special bid or manually enabled in BIOS.

MANAGEABILITY

System Management

System Management^[1]

- Intel® vPro® Enterprise
- Non-vPro®

Notes:

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

SERVICE

Warranty^[1]

Base Warranty**

- 1-year courier or carry-in service
- 1-year limited onsite service
- 3-year limited onsite service
- No base warranty

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://support.lenovo.com/warrantylookup/warrantypolicy>.

OPERATING REQUIREMENTS

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)

ENVIRONMENTAL

Sustainability

Material^[1]

85% PCC recycled plastic used in product chassis
95% PCC recycled plastic used in USB keyboard/mouse
90% PIC recycled plastic EPE cushion or 90% PCC recycled plastic thermal shell with 30% OBP material
30% OBP used in bag
FSC certified paper in packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.
PIC: Post Industry Content, recycled materials from internal factories.
EPE: Expanded Polyethylene.
OBP: Ocean Bound Plastic, reducing plastic spill into the sea.
FSC: Forest Stewardship Council.

CERTIFICATIONS

Green Certifications^[1]

Green Certifications

- (Optional) ENERGY STAR® 8.0
- (Optional) EPEAT™ Silver Registered
- (Optional) EPEAT™ Gold Registered
- ENERGY STAR® 8.0
- ErP Lot 3/7
- RoHS compliant
- TCO Certified

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

Other Certifications

Other Certifications

(Optional) TÜV Rheinland® Ultra Low Noise

Mil-Spec Test

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

- Feature with ** means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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