

**OVERVIEW**



|   |  |
|---|--|
| 1. headphone / microphone combo jack (3.5mm)            | 8. HDMI 2.1 TMDs                             |
| 2. USB-C (USB 10Gbps), data transfer and 5V@3A charging | 9. USB-A (Hi-Speed USB), with Smart Power On |
| 3. USB-A (USB 10Gbps), Always On and 5V@2.1A charging   | 10. USB-A (Hi-Speed USB)                     |
| 4. Power button   | 11. USB-A (USB 10Gbps)                       |
| 5. Power-in   | 12. Ethernet (1GbE, RJ-45)                   |
| 6. DisplayPort 1.4b                                     | 13. Punch out port *                         |
| 7. USB-A (USB 10Gbps)                                   |  |

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U-series, 13th Generation Intel® Core™ i3 Processor or Intel® H Series Core 5 / 7 Processor (Series 2)

#### Processor\*\*

| Processor Name | Cores                    | Threads | Base Frequency                | Max Frequency                 | Cache                   | Processor Graphics  |
|----------------|--------------------------|---------|-------------------------------|-------------------------------|-------------------------|---------------------|
| Core i3-1315U  | 6 (2 P-core + 4 E-core)  | 8       | -                             | P-core 4.5GHz / E-core 3.3GHz | 10MB Intel® Smart Cache | Intel® UHD Graphics |
| Core i5-13420H | 8 (4 P-core + 4 E-core)  | 12      | -                             | P-core 4.6GHz / E-core 3.4GHz | 12MB Intel® Smart Cache | Intel® UHD Graphics |
| Core 5 210H    | 8 (4 P-core + 4 E-core)  | 12      | P-core 2.2GHz / E-core 1.6GHz | P-core 4.8GHz / E-core 3.6GHz | 12MB Intel® Smart Cache | Intel® Graphics     |
| Core 7 240H    | 10 (6 P-core + 4 E-core) | 16      | P-core 2.5GHz / E-core 1.8GHz | P-core 5.2GHz / E-core 4.0GHz | 24MB Intel® Smart Cache | Intel® Graphics     |

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux
- No preload operating system

### Graphics

#### Graphics

| Graphics            | Type       | Memory | Max Resolution   | Connector   | Key Features  |
|---------------------|------------|--------|--|---|---------------|
| Intel® UHD Graphics | Integrated | Shared | 4096x2160@60Hz(DP),<br>4096x2160@60Hz(HDMI®),<br>1920x1200@60Hz(VGA) | 1x DP 1.4b, 1x HDMI® 2.1 TMDS, 1x optional punch out port (1x VGA / 1x DP 1.4b) | DirectX® 12.1 |

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays via (onboard DP, onboard HDMI®, and one optional port [VGA / 2nd DP])

### Chipset

#### Chipset

Intel® SoC (System on Chip) platform

### Memory

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

Up to 64GB DDR5-5600

#### Memory Slots

Two DDR5 SODIMM slots, dual-channel capable

#### Memory Type

DDR5-5600<sup>[2]</sup>

Notes:

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

[2] Installed memory is actually DDR5-5600 but may run as DDR5-5200 depending on the memory support capability of Intel® Core™ i3

### Storage

**Max Storage Support<sup>[1]</sup>**

Up to two drives, 2x M.2 SSD  
 • M.2 SSD up to 1TB each

**Storage Type<sup>\*\*\*</sup>**

| Disk Type    | Interface                 | Security |
|--------------|---------------------------|----------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | -        |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4 | Opal 2.0 |

**RAID**

RAID 0/1 support (RAID preset only available via special bid models)

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® ALC256 codec

**Speakers**

- No speakers
- Single speaker, 2W x1

**Microphone**

No microphone

**Camera**

No camera

**Power Supply**

**Power Supply<sup>\*\*[1]</sup>**

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

Notes:

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

- Order a Tiny for TIO MT (13C6, 13C7) models
- Or for Intel® Core™ 5/7 models order an additional 135W power adapter, for Intel® Core™ i3 models order an additional 90W power adapter. If original power adapter is less than 135W (Core 5/7 models) or 90W (i3 models).

For detailed information, please refer to [ThinkCentre® neo 50q Gen 5 Adapter Matrix](#)

**DESIGN**

**Input Device**

**Keyboard<sup>\*\*</sup>**

- Lenovo® Calliope Keyboard (USB connector), black

- Wireless EOS Keyboard, black
- No keyboard

**Mouse\*\***

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

**Mechanical****Form Factor**

Tiny (1L)

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

| Models                          | Dimensions                                       |
|---------------------------------|--|
| Tiny only (without rubber feet) | 179 x 182.9 x 34.5 mm (7.05 x 7.2 x 1.36 inches) |
| Tiny only (with rubber feet)    | 179 x 182.9 x 36.5 mm (7.05 x 7.2 x 1.44 inches) |

**Packaging Dimensions (WxDxH)**

- Tiny without keyboard: 240 x 250 x 186 mm (9.45 x 9.84 x 7.32 inches)
- Tiny with EOS keyboard: 532 x 250 x 128 mm (20.94 x 9.84 x 5.04 inches)
- Tiny with Calliope keyboard: 492 x 250 x 128 mm (19.37 x 9.84 x 5.04 inches)

**Weight<sup>[2]</sup>**

Around 1.13 kg (2.49 lbs)

**Packaging Weight\*\***

- Tiny without keyboard: 2.8 kg (6.17 lbs)
- Tiny with EOS keyboard: 3.28 kg (7.23 lbs)
- Tiny with Calliope keyboard: 3.44 kg (7.58 lbs)

**Case Color**

Raven black

**Bays**

No bays

**Expansion Slots**

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

**EOU**

- (Optional) toolless chassis open (toolless chassis screw required)
- No support

**Stand**

- Vertical stand
- No stand

**IO Box**

No IO box

**Mounting**

- Supports VESA mount 100mm
- None

**Others**

(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**

**WLAN + Bluetooth®\*\*<sup>[1]</sup>**

- Intel® Wi-Fi® 6 AX203, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.2, M.2 card
- Realtek® Wi-Fi® 6E RTL8852CE, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, M.2 card
- Realtek® Wi-Fi® 7 RTL8922AE, 802.11be 2x2 160MHz Wi-Fi® + Bluetooth® 5.4, M.2 card<sup>[2]</sup>
- No WLAN and Bluetooth®

**Onboard Ethernet**

Gigabit Ethernet, Realtek® RTL8111K, 1x RJ-45

**Optional Ethernet**

2.5 Gigabit Ethernet, Realtek® RTL8125BGS, 1x RJ-45

**Notes:**

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2] The bandwidth of WiFi 7 adapter is 160 MHz.  
Intel® Core™ i3 does not support WiFi 7.

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

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 5V@3A charging
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), with Always On and 5V@2.1A charging
- 1x headphone / microphone combo jack (3.5mm)

**Rear Ports**

- 2x USB-A (Hi-Speed USB / USB 2.0), one supports Smart Power On
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4b
- 1x Ethernet (GbE RJ-45)
- 1x Power connector

**Optional Rear Ports**

Punch out port (one of VGA / DisplayPort™ 1.4b / serial / 2.5GbE 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.

Thunderbolt™ 5: 80 Gbit/s (bidirectional), up to 120 Gbit/s in bandwidth boost mode for video-intensive applications.

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

Discrete TPM 2.0, TCG certified, FIPS 140-2 certified

**Physical Locks**

Kensington® Security Slot™, 3 x 7 mm

**Chassis Intrusion Switch**

Chassis intrusion switch<sup>[1]</sup>

**Fingerprint Reader**

No fingerprint reader

## BIOS Security

- Absolute persistence module
- Boot sequence control
- Boot without keyboard and mouse
- Configuration change detection
- Cover tamper detected
- Intel® BIOS guard
- Individual USB port disablement
- Hard disk password
- Supervisor password
- Smart USB protection (allows keyboard / mouse only, blocks all storage devices)
- Never crash Self-healing
- Secure boot
- Secure wipe
- More BIOS security features, please visit [BIOS Simulator](#)<sup>[2]</sup>

### Notes:

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

[2] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

## 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
- 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>.

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*

- DP to DVI dongle
- DP to VGA dongle
- None

## 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<sup>[1]</sup>**

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<sup>[1]</sup>

**Green Certifications**

- (Optional) ENERGY STAR® 9.0
- (Optional) EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified, generation 10

**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

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