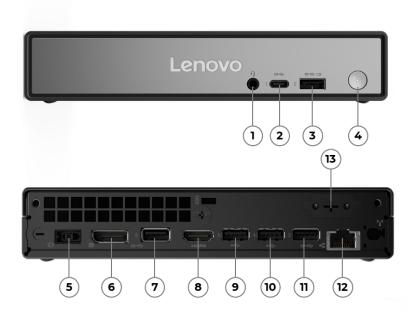


# **OVERVIEW**



1. headphone / microphone combo jack (3.5mm)	8. HDMI 2.1 TMDS
2. USB-C (USB 10Gbps), data transfer and 5V@0.9A charging	9. USB-A (Hi-Speed USB)
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 1.4a	13. Punch out port *
7. USB-A (USB 10Gbps)	

### Notes:

• Items with \* are only available on selected models



## **PERFORMANCE**

### **Processor**

#### **Processor Family**

Snapdragon® X

#### **Processor**

Processor Name	Cores	Max Frequency	Cache	Processor Graphics	NPU
Snapdragon® X X1-26-100	8	3.0GHz	30MB Total	Qualcomm® Adreno™ GPU	Qualcomm® Hexagon™ NPU

# Al (Artificial Intelligence)

### **AI PC Category**

Copilot+ PC[1]

NPU

Integrated Qualcomm<sup>®</sup> Hexagon<sup>™</sup> NPU, up to 45 TOPS

Notes:

[1] Copilot+ PCs have at least 16GB RAM, 256GB storage, and a NPU that runs 40+ TOPs to run the latest AI tools build-in latest Windows® 11 to accelerate productivity and creativity.

# **Operating System**

### Operating System\*\*

- Windows® 11 Pro (on ARM)
- Windows® 11 Home (on ARM)
- Windows® 11 Home Single Language (on ARM)

# **Graphics**

# **Graphics**

Graphics	Туре	Memory	Max Resolution	Connector	Key Features
Qualcomm®	Intograted	Charad	4096x2160@60Hz(HDMI®),	   HDMI® 2.1 TMDS, DP 1.4a HBR2, 1x	DirectX®
Adreno™ GPU	Integrated	Shared	4096x2160@60Hz(DP), 1920x1080@60Hz(VGA)	optional port (2nd DP 1.4a HBR2 / VGA)	12

### **Monitor Support**

#### **Monitor Support**

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

### **Chipset**

## Chipset

Qualcomm® SoC (System on Chip) platform

### **Memory**

#### Max Memory[1]

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

# **Memory Slots**

Memory soldered to systemboard, no slots, dual-channel

### **Memory Type**

LPDDR5x-8448

Notes:

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

### **Storage**



### Max Storage Support[1]

Up to two drives, 2x M.2 SSD

• M.2 2280 SSD up to 1TB

### **Storage Type**

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

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, Qualcomm® WCD9385 codec and WSA8845 amplifier

#### **Speakers**

Single speaker, 2W x1

# **Power Supply**

### Power Supply\*\*

Power	Туре	Efficiency	Key Features
65W	Adapter	89%	Autosensing
90W	Adapter	89%	Autosensing
No power adapter	-	-	-

# **DESIGN**

# **Input Device**

# Keyboard\*\*

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

#### Mouse\*\*

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

#### Mechanical

#### **Form Factor**

Tiny (1L)

### Dimensions (WxDxH)[1]

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)\*\*

# ThinkCentre neo 50q QC



- Tiny only: 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 only: 2.03 kg (4.48 lbs)
- Tiny with EOS keyboard: 3.28 kg (7.23 lbs)
- Tiny with Calliope keyboard: 3.44 kg (7.58 lbs)

#### **Case Color**

Eclipse black

#### **Bays**

No bays

### **Expansion Slots**

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

#### FOU

(Optional) toolless chassis open (toolless chassis screw required)

#### 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®

- Qualcomm® Wi-Fi® 6E NFA765A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3[1]
- No WLAN and Bluetooth®

#### **Onboard Ethernet**

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

#### Notes:

[1] Wi-Fi® 6E full features might be limited by country-level restrictions.

6GHz Wi-Fi® 6E operation is dependent on the support of the operating system, routers/APs/Gateways that support Wi-Fi® 6E, and the regional regulatory certifications & spectrum allocation.

Bluetooth® 5.3 operation requires Windows® 11. For more information please visit <u>General Bluetooth® Support Information on Microsoft®</u>.

#### **Ports**<sup>(1)</sup>

#### **Front Ports**

- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 5V@0.9A 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[2]

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

# **Optional Rear Ports**

Punch out port (one of VGA / DisplayPort™ 1.4a HBR2)

#### 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] For video ports on discrete graphics, please see graphics section.

### **SECURITY & PRIVACY**

## **Security**

#### **Security Chip**

Discrete TPM 2.0, TCG certified

#### **Physical Locks**

Kensington® Security Slot™, 3 x 7 mm

#### **Chassis Intrusion Switch**

No chassis intrusion switch

#### **Fingerprint Reader**

- Touch style fingerprint reader on mouse
- No fingerprint reader

#### **BIOS Security**

- Hard disk password
- Supervisor password
- Absolute persistence module
- · Boot sequence control
- Boot without keyboard and mouse
- · Configuration change detection
- Secure wipe
- Secure boot

### **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

# ThinkCentre neo 50q QC



• 3-year limited onsite service

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 <a href="https://smartfind.lenovo.com/">https://smartfind.lenovo.com/</a>. To learn more details of warranty policy, please access <a href="https://support.lenovo.com/warrantylookup/warrantypolicy">https://support.lenovo.com/warrantylookup/warrantypolicy</a>.

# **ACCESSORIES**

### **Bundled Accessories**

**Bundled Accessories** 

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**

- (Optional) ENERGY STAR® 9.0
- (Optional) EPEAT™ Gold Registered
- GREENGUARD®
- RoHS compliant
- TCO Certified 10.0
- VOC Report

### 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 <a href="https://compliance.lenovo.com">https://compliance.lenovo.com</a>.



### **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.
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