# ThinkCentre M80q Gen 4 12E9000HEU



# **PERFORMANCE**

# Processor[1]

Intel® Core $^{\text{TM}}$  i7-13700T, 16C (8P + 8E) / 24T, Max Turbo up to 4.9GHz, P-core 1.4 / 4.8GHz, E-core 1.0 / 3.6GHz, 30MB

#### Graphics

Integrated Intel® UHD Graphics 770

### Chipset

Intel® Q670 Chipset

#### Memorv<sup>[2]</sup>

1x 8GB SO-DIMM DDR5-5600

#### **Memory Slots**

Two DDR5 SO-DIMM slots, dual-channel capable

#### Max Memory[3]

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

#### Storage

512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

# Max Storage Support[4]

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

#### Card Reader

No card reader

#### Optical

None

# **Audio Chip**

High Definition (HD) Audio, Realtek® ALC256VB codec

#### Speakers

2Wx1

# Microphone

No microphone

#### **Power Supply**

135W 90% Adapter

# **DESIGN**

#### Keyboard

USB Traditional Keyboard, Black, English (UK)

# Mouse

USB Calliope Mouse, Black

# **Optional Bay**

2.5" HDD Bracket

# **Expansion Slots**

- Two M.2 PCle® Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

#### **Case Color**

Black

#### Stand

None

#### Adapter Cage

None

#### **Toolless Chassis Screw**

Toolless Chassis Screw

#### **Dust Filter**

None

#### Mounting

1x VESA Mount

#### IO Box

None

#### Pen

Pen Not Supported

#### Form Factor

Tiny (1L)

#### Dimensions (WxDxH)[5]

- Tiny only | 179 x 182.9 x 36.5 mm with rubber feet (7.05 x 7.2 x 1.44 inches)
- Tiny & ODD | 204.2 x 186.6 x 64 mm with rubber feet (8.04 x 7.35 x 2.52 inches with rubber feet)

# Weight<sup>[6]</sup>

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

# CONNECTIVITY

#### WLAN + Bluetooth®

None

#### WWAN

Non-WWAN

#### Ethernet

Integrated 100/1000M

#### Front Ports

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

#### Optional Front Ports (configured)

None

#### **Rear Ports**

- 2x USB 3.2 Gen 1 (one supports Smart Power On)
- 2x USB 3.2 Gen 2
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)

#### **Optional Rear Ports (configured)**

None

# **SECURITY & PRIVACY**

## Security Chip

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

# Fingerprint Reader

No fingerprint reader

## Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Chassis Intrusion Switch

Chassis Intrusion Switch

# **MANAGEABILITY**

#### System Management[7]

Intel® vPro® Enterprise

# **SERVICE**

#### **Base Warranty**

3-vear. Onsite

#### Included Upgrade

1Y Premier Support from 3Y Onsite WHB (CPN)

# **CERTIFICATIONS**

#### Green Certifications[8]

- EPEAT™ Silver Registered
- ErP Lot 3
- · RoHS compliant
- TCO Certified 9.0

### Mil-Spec Test

MIL-STD-810H military test passed

# **SOFTWARE**

#### Operating System

Windows® 11 Pro, English

# **Bundled Software**

None

# **ACCESSORIES**

# **Bundled Accessories**

None

#### MODEL

 TopSeller
 : Yes
 Announce Date
 : 2023-07-18

 EAN / UPC / JAN
 : 0197529107461
 End of Support
 : 2030-02-18

#### Note:

[1] Intel Max Turbo frequency will vary depending on application workload and the hardware and software configurations, see

http://www.intel.com/technology/turboboost/ for more information.

[2] Installed memory is actually DDR5-5600 but may run as.....

Lenovo reserves the right to change specifications without notice.

To see more note information, please access the web page.

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Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



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Lenovo Service Connect Portal for customized reporting and product support

# Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

# Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support

- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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# Recommended Accessories



# **ThinkCentre Tiny VESA Mount II**

4XF0N03161

The ThinkCentre Tiny VESA Mount II is a unique design specific to house the Tiny PC while featuring the universal VESA mount configuration. The Mount supports both 75x75mm and 100x100mm VESA. The VESA standard enabl...

# Recommended Services

BETTER	5Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1D67028)
GOOD	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1D67027)

Please click here to view the full list of accessories.

