# ThinkCentre M90q Gen 5 12TH002HBL



# **PERFORMANCE**

# Processor[1]

Intel® Core $^{TM}$  i9-14900, 24C (8P + 16E) / 32T, Max Turbo up to 5.8GHz, P-core 2.0 / 5.4GHz, E-core 1.5 / 4.3GHz, 36MB

#### Graphics

Integrated Intel® UHD Graphics 770

### Chipset

Intel® Q670 Chipset

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

1x 16GB 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 Performance NVMe® Opal 2.0

# Max Storage Support[4]

Up to two drives, 2x M.2 2280 SSD

• M.2 2280 SSD up to 2TB

# Card Reader

No card reader

#### Optical

None

# **Audio Chip**

High Definition (HD) Audio, Realtek® ALC233 codec

#### Speakers

Premium, 2Wx1

## **Power Supply**

230W 89% Adapter

#### DESIGN

#### Keyboard

USB Traditional Keyboard, Black, Bulgarian

#### Mouse

USB Calliope Mouse, Black

#### **Expansion Slots**

- One PCIe® 4.0 x8, low-profile
- Two M.2 PCle® Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

# Case Color

Black

#### Stand None

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# 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]

 $179 \times 182.9 \times 36.5$  mm with rubber feet (7.05 x 7.2 x 1.44 inches with rubber feet)

# Weight[6]

1.25 kg (2.76 lbs)

# CONNECTIVITY

#### WLAN + Bluetooth®[7]

Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3, vPro®

#### WWAN

Non-WWAN

#### Ethernet

Integrated 100/1000M

# Front Ports

- 1x USB-C\* (USB 20Gbps / USB 3.2 Gen 2x2), data transfer only
- 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 (configured)

None

#### Rear Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), with Smart Power On
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (GbE RJ-45)

#### Optional Rear Ports (configured)

- 1x DP
- 1x USB-C® (USB 5Gbps, Supports DP)

# **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[8]

Intel® vPro® Enterprise

# **SERVICE**

# **Base Warranty**

3-year, Onsite

#### Included Upgrade

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

# **CERTIFICATIONS**

#### Green Certifications[9]

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3
- RoHS compliant
- TCO Certified 9.0

#### 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)

# **SOFTWARE**

# Operating System

Windows® 11 Pro, English

# **Bundled Software**

None

# **ACCESSORIES**

# **Bundled Accessories**

None

# **MODEL**

 TopSeller
 : Yes
 Announce Date
 : 2024-09-17

 EAN / UPC / JAN
 : 0198155313523
 End of Support
 : 2031-02-23

#### Note:

[1] Intel Max Turbo frequency will vary depending on.....

· 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.

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

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- 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.

