## ThinkCentre M90q Gen 5 12TH0020EW

#### PERFORMANCE

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

Intel® Core™ i7-14700T, 20C (8P + 12E) / 28T, Max Turbo up to 5.2GHz, P-core 1.3 / 5.0GHz, E-core 0.9 / 3.7GHz, 33MB

Graphics Integrated Intel® UHD Graphics 770

### Chipset

Intel® Q670 Chipset

Memory<sup>[2]</sup> 1x 8GB SO-DIMM DDR5-5600

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory<sup>[3]</sup> Up to 64GB (2x 32GB DDR5 SO-DIMM)

Storage 512GB SSD M.2 2280 PCIe<sup>®</sup> 4.0x4 NVMe<sup>®</sup> Opal 2.0

#### Max Storage Support<sup>[4]</sup> 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

2Wx1

Power Supply 135W 90% Adapter

#### DESIGN

#### Keyboard

USB Traditional Keyboard, Black, English (UK)

Mouse

USB Calliope Mouse, Black

#### Expansion Slots

- One PCIe<sup>®</sup> 4.0 x8, low-profile
- Two M.2 PCIe<sup>®</sup> 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)<sup>[5]</sup>

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

Weight<sup>[6]</sup> 1.25 kg (2.76 lbs)

### CONNECTIVITY

WLAN + Bluetooth®

## None

**WWAN** Non-WWAN

Ethernet Integrated 100/1000M

#### Front Ports

- 1x USB-C<sup>®</sup> (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<sup>™</sup> 1.4a (HBR2, DSC)
- 1x Ethernet (GbE 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<sup>®</sup> Security Slot<sup>™</sup>, 3 x 7 mm

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PSRFF

Reference

Product Specifications

Chassis Intrusion Switch Chassis Intrusion Switch

### MANAGEABILITY

System Management<sup>[7]</sup> Intel<sup>®</sup> vPro<sup>®</sup> Enterprise

#### SERVICE

**Base Warranty** 1-year, Onsite

Included Upgrade 3Y Onsite upgrade from 1Y Onsite

#### **CERTIFICATIONS**

#### Green Certifications<sup>[8]</sup>

- 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	: 2024-07-23
EAN / UPC / JAN	: 0198154449780	End of Support	: 2031-02-23

Note:

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

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

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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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## **Recommended** Accessories



# ThinkCentre Tiny VESA Mount II

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...



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