## ThinkCentre M90q Gen 5 12TH0020EQ

# Lenovo PSREF Product Specifications Reference

#### **PERFORMANCE**

#### Processor[1]

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

#### 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<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 Chi**

High Definition (HD) Audio, Realtek® ALC233 codec

#### **Speakers**

2Wx1

#### **Power Supply**

135W 90% Adapter

#### **DESIGN**

#### Keyboard

USB Traditional Keyboard, Black, Arabic

#### Mouse

USB Calliope Mouse, Black

#### **Expansion Slots**

- One PCIe® 4.0 x8, low-profile
- Two M.2 PCIe® 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

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#### 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®

None

#### 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)**

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<sup>[7]</sup>

Intel® vPro® Enterprise

#### **SERVICE**

#### **Base Warranty**

1-year, Onsite

#### Included Upgrade

3Y Onsite upgrade from 1Y Onsite

#### **CERTIFICATIONS**

#### Green Certifications[8]

- 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, Arabic / English

#### **Bundled Software**

None

#### **ACCESSORIES**

#### **Bundled Accessories**

None

#### **MODEL**

 TopSeller
 : Yes
 Announce Date
 : 2024-07-23

 EAN / UPC / JAN
 : 0198154449575
 End of Support
 : 2031-02-23

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

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

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### Recommended Accessories



#### **ThinkCentre Tiny VESA Mount II**

4XF0N0316

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...



## Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XF0N80914

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