

# ThinkCentre M90q Gen 5 12TH001JGP

## PERFORMANCE

- Processor<sup>[1]</sup>**  
Intel® Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB
- Graphics**  
Integrated Intel® UHD Graphics 770
- Chipset**  
Intel® Q670 Chipset
- Memory<sup>[2]</sup>**  
2x 16GB 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® 4.0x4 Performance 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 Chip**  
High Definition (HD) Audio, Realtek® ALC233 codec
- Speakers**  
Premium, 2Wx1
- Power Supply**  
230W 89% Adapter
- DESIGN**
- Keyboard**  
USB Traditional Keyboard, Black, English (UK)
- 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
- 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<sup>[7]</sup>**  
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)**  
2x 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<sup>[8]</sup>**  
Intel® vPro® Enterprise
- SERVICE**
- Base Warranty**  
3-year, Onsite
- Included Upgrade**  
3Y Premier Support TC DT/AIO WHB (CPN), CO2 Offset 0.5 ton (2nd Generation Carbon Offset Projects)
- CERTIFICATIONS**
- Green Certifications<sup>[9]</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**
- |                        |                 |                       |              |
|------------------------|-----------------|-----------------------|--------------|
| <b>TopSeller</b>       | : Yes           | <b>Announce Date</b>  | : 2024-08-20 |
| <b>EAN / UPC / JAN</b> | : 0198154449360 | <b>End of Support</b> | : 2031-02-23 |

Note:  
<sup>[1]</sup> 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](#).

## Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



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

4XFON03161

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

BEST	5Y Premier Support upgrade from 3Y Premier Support (5WS0W86691)
BETTER	4Y Premier Support upgrade from 3Y Premier Support (5WS0W86713)

Please click [here](#) to view the full list of accessories.



**PSREF**  
Product Specifications  
Reference