

ThinkCentre M90q Gen 5

PERFORMANCE

Processor ^[1]
Intel® Core™ 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
Memory ^[2]
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
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, English (EU)
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) ^[5]
179 x 182.9 x 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
Ethernet
Integrated 100/1000M
WLAN + Bluetooth ^[7]
Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.3, vPro®
WWAN
Non-WWAN
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
• 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, Polish / English
Bundled Software
None
ACCESSORIES
Bundled Accessories
None
MODEL
TopSeller : Yes
Announce Date : 2024-12-24
EAN / UPC / JAN : 0198153873388
End of Support : 2031-02-23
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 DDR5-4800, DDR5-5200, or DDR5-5600 depending on the memory support capability of processor.
[3] The max memory is based on the test results with current.....
· Lenovo reserves the right to change specifications without notice.
To see more note information, please link to https://psref.lenovo.com/Detail/2470?M=i2TH001DPB

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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 VESA standard enables this mount to attach to anything that is VESA comp...

Recommended Services

BEST	4Y Premier Support upgrade from 1Y Premier Support (5WS1F52294)
BETTER	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83305)
GOOD	2Y Premier Support upgrade from 1Y Premier Support (5WS1C83297)

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>

PSREF
Product Specifications
Reference