ThinkCentre M80q Gen 4 12E90016MZ

PSREF
Product Specifications Reference

PERFORMANCE

Processor[1]
Intel® Core™ i7-13700T, 16C (8P + 8E) / 24T, Max Turbo up to 4.9GHz, P-core 1.4 / 4.8GHz, E-core 1.0 / 3.6GHz, 30MB

Graphics
Integrated Intel® UHD Graphics 770

Chipset
Intel® Q670 Chipset

Memory
2x 16GB SO-DIMM DDR5-5600

Memory Slots
Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory[2]
Up to 64GB (2x 32GB DDR5 SO-DIMM)

Storage
512GB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Storage Support[3]
Up to three drives, 1x 2.5" HDD + 2x M.2 SSD
• 2.5" HDD up to 1TB
• M.2 SSD up to 2TB each

Card Reader
No card reader

Optical
None

Audio Chip
High Definition (HD) Audio, Realtek® ALC256VB codec

Speakers
2Wx1

Microphone
No microphone

Power Supply
135W 90% Adapter

DESIGN

Keyboard
USB Traditional Keyboard, Black, Swiss

Mouse
USB Calliope Mouse, Black

Optional Bay
2.5" HDD Bracket

Expansion Slots
- Two M.2 PCIe® Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

Case Color
Black

Stand
Vertical Stand

Adapter Cage
None

Toolless Chassis Screw
Toolless Chassis Screw

Dust Filter
None

Mounting
None

IO Box
None

Form Factor
Tiny (1L)

Dimensions (WxDxH)[4]
- Tiny only | 179 x 182.9 x 36.5 mm with rubber feet (7.05 x 7.2 x 1.44 inches)
- Tiny & ODD | 204.2 x 186.6 x 64 mm with rubber feet (8.04 x 7.35 x 2.52 inches with rubber feet)

Weight[5]
- Tiny only | 1.25 kg (2.76 lbs)
- With VESA mount & ODD box | 1.74 kg (3.84 lbs)

CONNECTIVITY

Ethernet
Integrated 100/1000M

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

Front Ports
- 1x USB-C® 3.2 Gen 2 (support data transfer)
- 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging)
- 1x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

Optional Front Ports (configured)
None

Rear Ports
- 2x USB 3.2 Gen 1 (one supports Smart Power On)
- 2x USB 3.2 Gen 2
- 1x HDMI® 2.1 TMDS
- 1x DisplayPort™ 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)

Optional Rear Ports (configured)
- 1x Serial
- 1x 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[7]
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Onsite

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

CERTIFICATIONS

Green Certifications[8]
- ENERGY STAR® 8.0
- EPEAT™ Silver Registered
- ErP Lot 3
- RoHS compliant
- TCO Certified 9.0

Mil-Spec Test
MIL-STD-810H military test passed

SOFTWARE

Operating System
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

Bundled Software
None

ACCESSORIES

Bundled Accessories
None

MODEL

TopSeller	: Yes	**Announce Date**	: 2024-04-09
EAN / UPC / JAN	: 0198153613984	**End of Support**	: 2030-02-18

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] The max memory is based on the test results with current Lenovo memory offerings.
[3] The max capacity of each disk type is based on the test results with current Lenovo storage offerings.
[4] The system dimensions may vary depending on configurations.
[5] The system weight is approximate and based on results in.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to
https://psref.lenovo.com/Detail/2230?M=12E90016MZ

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

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

Recommended Services

BEST	5Y Premier Support upgrade from 1Y Premier Support (5WS1F52290)
BETTER	3Y Premier Support upgrade from 1Y Premier Support (5WS1B61713)
GOOD	2Y Premier Support upgrade from 1Y Premier Support (5WS1B61705)

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

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