ThinkCentre M90q Gen 5 12TH0019CK

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^[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 PCle® 4.0x4 Performance NVMe® Opal 2.0

Max 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

135W 90% Adapter

DESIGN

Keyhoard

USB Traditional Keyboard, Black, Czech / Slovak

Mouse

USB Calliope Mouse, Black

Expansion Slots

- One PCIe® 4.0 x8, low-profile
- Two M.2 PCle® Gen 4x4 slots (for SSD)
- One M.2 slot (for WLAN)

Case Color

Black

Stand None

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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]

 $179 \times 182.9 \times 36.5$ mm with rubber feet $(7.05 \times 7.2 \times 1.44)$ inches with rubber feet)

Weight[6]

1.25 kg (2.76 lbs)

CONNECTIVITY

WLAN + Bluetooth®[7]

Intel® Wi-Fi® 7 BE200, 802.11be 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)

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[8]

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

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

CERTIFICATIONS

Green Certifications[9]

- 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, Czech / Slovak / English

Bundled Software

None

ACCESSORIES

Bundled Accessories

None

MODEL

 TopSeller
 : Yes
 Announce Date
 : 2024-12-24

 EAN / UPC / JAN
 : 0198153870721
 End of Support
 : 2031-02-23

Note

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

· Lenovo reserves the right to change specifications without notice.

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Technical Account Managers for proactive relationship and escalation management



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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.

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- International Warranty Upgrade

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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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