ThinkCentre M90q Gen 3 11U5000MCK

PERFORMANCE

Processor Intel[®] Core[™] i9-12900, 16C (8P + 8E) / 24T, P-core 2.4 / 5.0GHz, E-core 1.8 / 3.8GHz, 30MB

Graphics Integrated Intel UHD Graphics 770

Chipset Intel Q670 Chipset

Memory 1x 16GB SO-DIMM DDR5-4800

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

Max Memory Up to 64GB DDR5-4800

Storage 512GB SSD M.2 2280 PCIe® Gen 4x4 Value NVMe® Opal

Storage Support

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

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC256VB codec

Speakers

2Wx1

Power Supply 230W 89% Adapter

DESIGN

Keyboard USB Traditional Keyboard, Black, Czech / Slovak

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

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)

Dimensions	Models
Tiny only	179 x 182.9 x 36.5 mm with rubber feet (7.05 x 7.2 x 1.44 inches with rubber feet)
Tiny & ODD	$204.2 \times 186.6 \times 64$ mm with rubber feet (8.04 x 7.35 x 2.52 inches with rubber feet)

Weight

Models	Weight
Tiny only	1.25 kg (2.76 lbs)
With VESA mount & ODD &	oox 1.74 kg (3.84 lbs)

CONNECTIVITY

Integrated 100/1000M

Front Ports

- 1x USB-C[®] 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports

- 2x USB 3.2 Gen 1 (one supports Smart Power On)
- 2x USB 3.2 Gen 2



PSREF Product Specifications Reference

Physical Locks

Kensington[®] Security Slot. 3 x 7 mm

Chassis Intrusion Switch Chassis Intrusion Switch

MANAGEABILITY

System Management vPro Enterprise

SERVICE

Base Warranty 3-year, Onsite

Included Upgrade 3Y Premier TC DT/AIO WHB (CPN) (5WS1B09492)

CERTIFICATIONS

Green Certifications

- EPEAT[™] Silver
- EPEAT Gold
- ENERGY STAR® 8.0
- ErP Lot 3
- TCO Certified 9.0
- RoHS compliant

Other Certifications

TÜV Rheinland[®] Ultra Low Noise

Mil-Spec Test

MIL-STD-810H military test passed

SOFTWARE

Operating System

Windows® 11 Pro 64, Czech / Slovak / English

Bundled Software

None

MODEL

TopSeller	: Yes	Announce Date	: 2022-03-29
EAN / UPC / JAN	: 0196379564530	End of Support	: 2028-10-29

1odels	Weight
	1.25 kg (2.76 lbs)
nount & ODD box	1.74 kg (3.84 lbs)

Ethernet

WLAN + Bluetooth®

Intel AX211 Wi-Fi® 6E, 2x2 + BT5.2

• 1x USB 3.2 Gen 2

1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging)

- 1x HDMI[®] 2.1 TMDS
- 1x DisplayPort™ 1.4
- 1x Ethernet (RJ-45)

Optional Rear Ports (configured)

1x serial + 1x DP 1.2 Monitor Cable

None

SECURITY & PRIVACY

Security Chip Discrete TPM 2.0, TCG certified

Fingerprint Reader No fingerprint reader

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Product image on this page is a sample, it may not match the real color of this model

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



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



Comprehensive hardware & OEM software support



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



Technical Account Managers for proactive relationship and escalation management

Priority on service delivery and repair parts



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

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...



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XE0N80914

Protect your device. Lenovo offers the latest standard in device security - the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...

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

