

ThinkCentre M90a Gen 3 11VF009YGE

Lenovo

PSREF
Product Specifications
Reference

PERFORMANCE

Processor^{[9][10]}

Intel® Core™ i5-12500, 6C (6P + 0E) / 12T, P-core 3.0 / 4.6GHz, 18MB

Graphics

Integrated Intel UHD Graphics 770

Chipset

Intel Q670 Chipset

Memory

1x 16GB SO-DIMM DDR4-3200

Memory Slots

Two DDR4 SO-DIMM slots, dual-channel capable

Max Memory^[11]

Up to 64GB DDR4-3200

Storage

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

Storage Support^{[12][13]}

Up to three drives, 2x 2.5" HDD + 1x M.2 SSD

- 2.5" HDD up to 2TB each
- M.2 SSD up to 1TB

Technical support up to 2 HDDs + 1 SSD, but Lenovo® only offers the models with up to 2 HDDs or 1 SSD + 1 HDD

Card Reader

3-in-1 Card Reader

Optical

DVD±RW

Audio Chip

High Definition (HD) Audio, Realtek® ALC256-NL codec

Speakers

3Wx2

Camera

5.0MP + IR Hybrid

Microphone

2x, Array

Power Supply

180W 90%

DESIGN

Display

23.8" FHD (1920x1080) IPS 250nits Anti-glare, 72% NTSC, Touch

Touchscreen

10-point Multi-touch

Keyboard

USB Traditional Keyboard, Black, German

Mouse

USB Calliope Mouse, Black

Expansion Slots

Two M.2 slots (one for WLAN, one for SSD)

Case Color

Black

Stand

UltraFlex V Stand

Mounting

VESA mount

Form Factor

AIO (23.8 inches)

Weight^[14]

Around 8.742 kg (19.27 lbs)

CONNECTIVITY

Ethernet

Integrated 100/1000M

WLAN + Bluetooth^{[15][16]}

Intel Wi-Fi® 6E AX211, 11ax 2x2 + BT5.1, vPro®

Rear Ports

- 1x HDMI® (HDMI in 1.4 / HDMI out 2.1 TMDS combo port)
- 1x DisplayPort™ 1.4
- 1x USB-C® 3.2 Gen 2 (support data transfer and 15W charging)
- 3x USB 3.2 Gen 1
- 1x Ethernet (RJ-45)

Right Ports

- 3x USB 3.2 Gen 2
- 1x headphone / microphone combo jack (3.5mm)

Optional Right Ports (configured)

1x card reader

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0, TCG certified

Fingerprint Reader

No fingerprint reader

Physical Locks

Kensington® Security Slot™, 3 x 7 mm

Chassis Intrusion Switch

Chassis Intrusion Switch

Other Security

ThinkShutter camera cover

MANAGEABILITY

System Management^{[17][18]}

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

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

CERTIFICATIONS

Green Certifications^{[19][20]}

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered
- ErP Lot 3
- TCO Certified 9.0
- TCO edge
- RoHS compliant

Other Certifications

- TÜV Rheinland® Ultra Low Noise
- TÜV Rheinland Flicker Free
- TÜV Rheinland Low Blue Light
- UL Anti-dust

Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Fungus, Solar Radiation, Contamination by Fluids, Salt Fog)

SOFTWARE

Operating System

Windows® 11 Pro, German

MODEL

TopSeller	: Yes	Announce Date	: 2023-03-21
EAN / UPC / JAN	: 0197529170076	End of Support	: 2028-10-29



To see more note information, please link to
https://psref.lenovo.com/Detail/ThinkCentre_M90a_Gen_3?M=11VF009YGE.

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



Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XEON80914

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...

Recommended Services

BEST	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83308)
BETTER	2Y Premier Support upgrade from 1Y Premier Support (5WS1C83303)
GOOD	1Y Keep Your Drive Add On (5PS0V08542)

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

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