

ThinkCentre M90a Pro Gen 4

PERFORMANCE

- Processor
- Intel® Core™ i7-13700, 16C (8P + 8E) / 24T, Max Turbo up to 5.2GHz, P-core 2.1 / 5.1GHz, E-core 1.5 / 4.1GHz, 30MB
- Graphics
- NVIDIA® GeForce RTX™ 4050 6GB GDDR6
- Chipset
- Intel® Q670 Chipset
- Memory
- 1x 16GB SO-DIMM DDR5-5600
- Memory Slots
- Two DDR5 SO-DIMM slots, dual-channel capable
- Max Memory
- Models with Core i7/i9: Up to 64GB DDR5-5200
- Storage
- 512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0
- 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 1TB each
- Card Reader
- 3-in-1 Card Reader
- Optical
- DVD±RW
- Audio Chip
- High Definition (HD) Audio, Realtek® ALC256-NL codec
- Speakers
- 5Wx2
- Camera
- 5.0MP + IR Hybrid
- Microphone
- 2x, Array
- Power Supply
- 230W 92%

DESIGN

- Display
- 27" QHD (2560x1440) IPS 350nits Anti-glare, 99% sRGB
- Keyboard
- Calliope Wireless Keyboard, Black, English (EU)
- Mouse
- Calliope Wireless Mouse, Black
- Expansion Slots
- Three M.2 slots (one for WLAN, two for SSD)
- Case Color
- Black

- Stand
- Full Function Monitor Stand
- Mounting
- VESA mount
- Pen
- Pen Not Supported
- Form Factor
- AIO (27 inches)
- Dimensions (WxDxH)
- Lowest in vertical mode: 613.6 x 219.81 x 411.04 mm (24.2 x 8.7 x 16.2 inches)
- Highest in vertical mode: 613.6 x 219.81 x 521.81 mm (24.2 x 8.7 x 20.5 inches)
- Weight
- 11.2 kg (24.8 lbs, maximum configuration)

CONNECTIVITY

- Ethernet
- Integrated 100/1000M
- WLAN + Bluetooth®
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3, vPro®
- WWAN
- Non-WWAN
- Rear Ports
- 1x USB-C® 3.2 Gen 2 (support data transfer and 15W charging)

• 3x USB 3.2 Gen 1

• 1x HDMI® (HDMI® in 1.4 / HDMI® out 2.1 TMDS combo port)

• 1x DisplayPort™ 1.4

• 1x Ethernet (RJ-45)
- Right Ports
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, 15W charging and DisplayPort™ 1.4)

• 2x 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
- 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

• TCO edge

• VOC Report
- Other Certifications
- Eyesafe® Certified 2.0

• TÜV Rheinland® Flicker Free

• TÜV Rheinland® Low Blue Light (Hardware Solution)

• 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, Polish / English

MODEL

TopSeller	: Yes	Announce Date	: 2023-11-28
EAN / UPC / JAN	: 0197532890541	End of Support	: 2030-04-26

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

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	4Y Premier Support upgrade from 1Y Premier Support (5WS1F52300)
BETTER	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83308)
GOOD	2Y Premier Support upgrade from 1Y Premier Support (5WS1C83303)

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

PSREF
Product Specifications
Reference