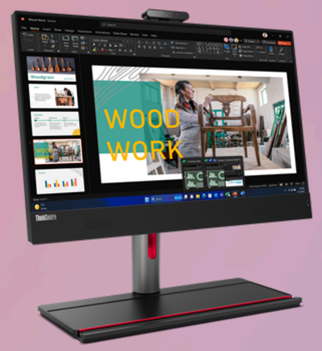
ThinkCentre M90a Gen 5 12SH000PPB



The product images are for illustration purposes only. Actual product appearance, ports, keyboard layout, and accessories may vary by model.

- Intel Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB Intel® Smart Cache
- 1x 16GB SODIMM DDR5-5600
- 1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0
- Integrated Intel® UHD Graphics 770
- Windows® 11 Pro, Polish / English
- Case color - Black
- 1Y Premier Support from 3Y Onsite WHB (CPN)

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

Recommended Accessories

Poland



Lenovo 900 Multi-Device Wireless Mouse

GY51V37443



DisplayPort to Single-Link DVI-D (Digital) Monitor Adapter Cable II

4X91W44833



Lenovo Wireless Speakerphone 6000

4Y71Q47766

>> View More Accessories

Recommended Services

Best

4Y Premier Support upgrade from 1Y Premier Support (5WS1F52300)

Better

3Y Premier Support upgrade from 1Y Premier Support (5WS1C83308)

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ThinkCentre M90a Gen 5 12SH000PPB

PERFORMANCE

Processor
Intel Core™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB Intel® Smart Cache

Graphics
Integrated Intel® UHD Graphics 770

Chipset
Intel® Q670 Chipset

Memory
1x 16GB SODIMM DDR5-5600

Memory Slots
Two DDR5 SODIMM slots, dual-channel capable

Max Memory[1]
- Models with Core i3/i5: Up to 64GB DDR5-4800
- Models with Core i7: Up to 64GB DDR5-5200

Storage
1TB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

Max Storage Support[2]
Models with Intel® UHD graphics: Up to two drives, 2x M.2 SSD • M.2 SSD up to 2TB each

Card Reader
3-in-1 Card Reader

Optical
DVD±RW

Audio Chip
High Definition (HD) Audio, Realtek® ALC233NL-VB2-CG codec

Speakers
3Wx2

Camera
5.0MP + IR Hybrid

Microphone
2x, Array

Power Supply
180W 90%

DESIGN

Display[3]
23.8" FHD (1920x1080) IPS Anti-glare 250nits, 60Hz, 72% NTSC, software low blue light, flicker free, touch

Touchscreen
10-point Multi-touch

Keyboard
USB Traditional Keyboard, Black, English (EU)

Mouse
USB Calliope Mouse, Black

Optional Bay
None

Expansion Slots
Models with Intel® UHD graphics: 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 (23.8 inches)

Dimensions (WxDxH)[4]
539.6 x 217.31 x 393.66-501.85 mm (21.24 x 8.56 x 15.50-19.76 inches)

Weight[5]
Around 8.13 kg (17.9 lbs)

CONNECTIVITY

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

WWAN
WWAN Not Supported

Ethernet
Integrated 100/1000M

Rear Ports
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with data transfer and 15W charging
- 3x USB-A (USB 5Gbps / 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)

Optional Rear Ports (configured)
1x Serial

Right Ports
- 3x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

Optional Right Ports (configured)
1x card reader

Optional Ports (configured)
1x Serial

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

Additional Security
None

Other Security
ThinkShutter camera cover (camera models)

MANAGEABILITY

System Management[6]
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
- GREENGUARD®
- RoHS compliant
- TCO Certified Edge
- TCO Certified, generation 9

Other Certifications
- TÜV Rheinland® Low Blue Light (Software Solution)
- TÜV Rheinland® Flicker Free
- 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

ACCESSORIES

MODEL

TopSeller	: Yes	**EAN / UPC / JAN**	: 0197531654052
Announce Date	: 2024-01-16	**End of Support**	: 2030-08-16

- Please refer to the official Lenovo store website or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
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