

ThinkCentre M90a Gen 5

PERFORMANCE

Processor	Intel® Core™ i5-14400, 10C (6P + 4E) / 16T, P-core 2.5 / 4.7GHz, E-core 1.8 / 3.5GHz, 20MB
Graphics	Integrated Intel® UHD Graphics 730
Chipset	Intel® Q670 Chipset
Memory^[1]	1x 8GB SO-DIMM DDR5-4800
Memory Slots	Two DDR5 SO-DIMM slots, dual-channel capable
Max Memory^[2]	- Models with Core i3/i5: Up to 64GB DDR5-4800 - Models with Core i7: Up to 64GB DDR5-5200
Storage	512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0
Storage Support^[3]	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^[4]	23.8" FHD (1920x1080) IPS Anti-glare 250nits, 60Hz, 99% sRGB, hardware low blue light, flicker free, eyesafe, non-touch
Keyboard	USB Traditional Keyboard, Black, English (EU)
Mouse	USB Calliope Mouse, Black

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)^[5]	539.6 x 217.31 x 393.66-501.85 mm (21.24 x 8.56 x 15.50-19.76 inches)
Weight^[6]	Around 8.13 kg (17.9 lbs)
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® (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
Other Security	ThinkShutter camera cover (camera models)
MANAGEABILITY	
System Management^[7]	Non-vPro®

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 9.0
- TCO edge

Other Certifications

- Eyesafe® Certified 2.0
- TÜV Rheinland® Low Blue Light (Hardware 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

MODEL

TopSeller

: Yes

Announce Date

: 2024-01-16

EAN / UPC / JAN

: 0197531651075

End of Support

: 2030-08-16

Note:

[1] Installed memory is actually DDR5-5600 but may run as DDR5-4800 depending on the memory support capability of Intel.

[2] The max memory is based on the test results with current Lenovo memory offerings.

[3] The max capacity of each disk type is based on the test.....

· Lenovo reserves the right to change specifications without notice.

To see more note information, please link to <https://psref.lenovo.com/Detail/2409?M=12SH0013PB>

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

Lenovo may not offer the products, services or features discussed in this document in all regions. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.

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