ThinkCentre M90a Gen 6 13AT0012MZ

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ Ultra 7 265, 20C (8P + 12E) / 20T, Max Turbo up to 5.3GHz, 30MB

AI PC Category[1]
AI PC

NPU
Integrated Intel® AI Boost, up to 13 TOPS

Graphics
Integrated Intel® Graphics

Chipset
Intel® Q870 Chipset

Memory
1x 16GB SO-DIMM DDR5-5600

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

Max Memory[2]
Up to 64GB DDR5-5600

Storage
512GB SSD M.2 2280 PCIe® 4.0x4 Performance NVMe® Opal 2.0

Max Storage Support[3][4]
Up to three drives, 3x M.2 SSD
• M.2 SSD up to 2TB each

Card Reader
3-in-1 Card Reader

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[5]
23.8" FHD (1920x1080) IPS Anti-glare 250nits, 120Hz, 99% sRGB, hardware low blue light, flicker free, eyesafe, non-touch

Keyboard
USB Traditional Keyboard, Black, Swiss

Mouse
USB Calliope Mouse

Expansion Slots
Four M.2 slots (one for WLAN, three for SSD / discrete NPU)

Case Color
Black

Stand
Full Function Monitor Stand

Mounting
VESA mount

Pen
Pen Not Supported

Form Factor
AIO (23.8 inches)

Dimensions (WxDxH)[6]
539.6 x 222.21 x 393.01-543.01 mm (21.24 x 8.75 x 15.47-21.38 inches)

Weight[7]
8.96 kg (19.75 lbs, maximum configuration)

CONNECTIVITY

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

WWAN
Non-WWAN

Ethernet
Integrated 100/1000M

Rear Ports
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
- 1x HDMI® (HDMI® in 1.4 / HDMI® out 2.1 TMDS combo port)
- 1x DisplayPort™ 1.4a (HBR2)
- 1x Ethernet (RJ-45)

Right Ports
- 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 up to 65W output, DisplayPort™ 2.1, Always On
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), support data transfer and 5V@3A charging
- 1x headphone / microphone combo jack (3.5mm)

Optional Right Ports (configured)
1x card reader

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[8]
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Onsite

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

CERTIFICATIONS

Green Certifications
- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- ErP Lot 3
- GREENGUARD®
- RoHS compliant
- TCO Certified, generation 10
- TCO edge

Other Certifications
- Anti-dust
- IP54-compliant (front face, for non-touch models)
- Healthcare compliance: Part of IEC 60601-1 / IEC 60601-1-2
- Eyesafe® Certified 2.0
- SGS Performance Tested certification: Super Quiet@Hi-Performance Grade 1
- TÜV Rheinland® Flicker Free
- TÜV Rheinland® Low Blue Light (Hardware Solution)

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, WE (EN/FR/DE/NL/IT)

MODEL

TopSeller	: Yes	**Announce Date**	: 2025-04-29
EAN / UPC / JAN	: 0198158377140	**End of Support**	: 2031-11-29

· Lenovo reserves the right to change specifications without notice.
To see more note information, please access the web page.

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



Lenovo USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

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)

Please click here to view the full list of accessories.

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