ThinkCentre M90s Gen 6 12YU0015MZ

PSREF
Product Specifications Reference

PERFORMANCE

Processor
Intel® Core™ Ultra 5 235, 14C (6P + 8E) / 14T, Max Turbo up to 5.0GHz, 24MB

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 UDIMM DDR5-5600

Memory Slots
Four DDR5 UDIMM slots, dual-channel capable

Max Memory[2]
Up to 128GB DDR5

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

Max Storage Support[3][4]
Up to five drives, 1x 3.5" HDD + 1x 2.5" HDD + 3x M.2 SSD
• 3.5" HDD up to 2TB
• 2.5" HDD bay is only for customer self upgrade
• M.2 SSD up to 2TB each

Audio Chip
High Definition (HD) Audio, Realtek® ALC623-CG codec

Speakers
1Wx1

Power Supply
260W 90%

DESIGN

Keyboard
USB Traditional Keyboard, Black, Swiss

Mouse
USB Calliope Mouse, Black

Optional Bay
2nd M.2 Bracket

Expansion Slots
- One PCIe® 5.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
- One PCIe® 4.0 x16 (x4 signal), low-profile, length ≤ 155mm, height ≤ 70mm
- Two PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
- Four M.2 slots (one for WLAN, three for SSD)

Case Color
Black

Pen
Pen Not Supported

Form Factor
SFF (8.2L)

Dimensions (WxDxH)[5]
92.5 x 299.7 x 339.5 mm (3.6 x 11.8 x 13.4 inches)

Weight[6]
5.3 kg (11.7 lbs, maximum configuration)

CONNECTIVITY

WLAN + Bluetooth®
Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4, vPro®

WWAN
Non-WWAN

Ethernet
Integrated 100/1000M

Front Ports
- 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with 15W charging
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports[7]
- 2x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort™ 1.4a (HBR3, DSC)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

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
- Padlock Loop

Chassis Intrusion Switch
Chassis Intrusion Switch

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
- TCO Certified 10.0
- ErP Lot 3
- GREENGUARD®
- RoHS compliant

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

SOFTWARE

Operating System
Windows® 11 Pro, WE (EN/FR/DE/NL/IT)

MODEL

TopSeller	: Yes	**Announce Date**	: 2025-04-30
EAN / UPC / JAN	: 0198158159029	**End of Support**	: 2031-11-29



Product image is a sample, it may not match the real color of this model

Note:
[1] AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft Copilot key or using Win + C.
[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 results with current Lenovo storage offerings.
[4] 2.5" HDD bay is optional part, only for customer self.....

· 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	5Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31179)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31175)
GOOD	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83305)

Please click here to view the full list of accessories.

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