

ThinkCentre M90s Gen 5 12V4000QUS

PERFORMANCE

- Processor**
Intel® Core™ i9-14900, 24C (8P + 16E) / 32T, Max Turbo up to 5.8GHz, P-core 2.0 / 5.4GHz, E-core 1.5 / 4.3GHz, 36MB
- Graphics**
Integrated Intel® UHD Graphics 770
- Chipset**
Intel® Q670 Chipset
- Memory^[1]**
4x 16GB UDIMM DDR5-4000
- Memory Slots**
Four DDR5 UDIMM slots, dual-channel capable
- Max Memory^[2]**
Up to 128GB DDR5
- Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0
- Max Storage Support^{[3][4]}**
Up to four drives, 1x 3.5" HDD + 1x 2.5" HDD + 2x 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
- Card Reader**
None
- Optical**
DVD±RW
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC897Q-CG codec
- Speakers**
1Wx1
- Power Supply**
310W 92%
- ## DESIGN
- Keyboard**
USB Traditional Keyboard, Black, English
- Mouse**
USB Calliope Mouse, Black
- Optional Bay**
None
- Expansion Slots**
- One PCIe® 4.0 x16 (x4 signal), low-profile, length ≤ 155mm, height ≤ 70mm
 - One PCIe® 4.0 x16, low-profile, length ≤ 155mm, height ≤ 70mm
 - One PCIe® 3.0 x1, low-profile, length ≤ 155mm, height ≤ 70mm
 - Three M.2 slots (one for WLAN, two for SSD)

- Case Color**
Black
- Stand**
None
- Dust Filter**
None
- Pen**
Pen Not Supported
- Form Factor**
SFF (8.2L)
- Dimensions (WxDxH)^[5]**
92.5 x 297.7 x 339.5 mm (3.6 x 11.7 x 13.4 inches)
- Weight^[6]**
Around 5.3 kg (11.7 lbs)

CONNECTIVITY

- WLAN + Bluetooth®**
Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 + BT5.3, vPro®
- WWAN**
Non-WWAN
- Ethernet**
Integrated 100/1000M
- Front Ports**
- 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), 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)
 - 1x microphone (3.5mm)
- Rear Ports^[7]**
- 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)
 - 1x HDMI® 2.1 TMDS
 - 2x DisplayPort™ 1.4a (HBR2, DSC)
 - 1x Ethernet (RJ-45)
 - 1x line-out (3.5mm)
- Optional Rear Ports (configured)**
1x DP 1.2 (Flex IO)

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
- Smart Cable Clip**
None

- Chassis E-Lock**
None
- Chassis Intrusion Switch**
None

MANAGEABILITY

- System Management^[8]**
Intel® vPro® Enterprise

SERVICE

- Base Warranty**
3-year, Onsite
- Included Upgrade**
None

CERTIFICATIONS

- Green Certifications^[9]**
- ENERGY STAR® 8.0
 - EPEAT™ Gold Registered
 - ErP Lot 3
 - GREENGUARD®
 - RoHS compliant
 - TCO Certified 9.0
- 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, English

- Bundled Software**
None

ACCESSORIES

- Bundled Accessories**
None

MODEL

- | | | | |
|------------------------|----------------|-----------------------|--------------|
| TopSeller | : Yes | Announce Date | : 2024-08-01 |
| EAN / UPC / JAN | : 198154900373 | End of Support | : 2030-11-15 |

· Lenovo reserves the right to change specifications without notice.
· California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>
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	4Y Premier Support Plus upgrade from 3Y Onsite (5WS1L39206)
BETTER	3Y Premier Support Plus upgrade from 3Y Onsite (5WS1L39278)
GOOD	3Y Premier Support Upgrade from 3Y Onsite (5WS0V07841)

Please click [here](#) to view the full list of accessories.



PSREF
Product Specifications
Reference