ThinkCentre M90s Gen 5 12V40017CA



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

- 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 Intel Smart Cache
- 2x 16GB UDIMM DDR5-4400
- 512GB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0
- Intel Arc A310 LP 4GB GDDR6
- Windows 11 Pro, French
- Case color - Black
- 3-year, Onsite

Premier Support - A direct 24x7x365 line to our most elite technicians.

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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

United Kingdom



ThinkPad Bluetooth Presenter Mouse (Aura Edition)

4Y51T62792



Lenovo Analog In-Ear Headphones Gen II Bulk Package (20pcs)

4XD1T54899



Lenovo 310 FHD Webcam Black

GXC1S15024



ThinkPad 2TB Performance PCIe Gen4 NVMe OPAL2 M.2 2280 SSD Gen3

4XB1N36076



Kensington MicroSaver DS 2.0 Cable Lock from Lenovo

4XE1L68273



ThinkCentre M.2 2280 SSD Kit III

4XF1C39743

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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 Intel® Smart Cache

Graphics
Intel® Arc™ A310 LP 4GB GDDR6

Chipset
Intel® Q670 Chipset

Memory
2x 16GB UDIMM DDR5-4400[1]

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 NVMe® Opal 2.0

Max Storage Support[3]
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[4]

Card Reader
No Card Reader

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, French

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®[7]

WWAN
WWAN Not Supported

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[8]
- 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)
2x DisplayPort™ 1.4a on Intel® Arc™ A310 LP Graphics

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[9]
Intel® vPro® Enterprise

SERVICE

Base Warranty
3-year, Onsite

Included Upgrade
None

CERTIFICATIONS

Green Certifications
- 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, French

Bundled Software
None

ACCESSORIES

Bundled Accessories
None

MODEL

TopSeller	: Yes	**EAN / UPC / JAN**	: 198154900342
Announce Date	: 2024-08-01	**End of Support**	: 2030-11-15

Note:
[1] Installed memory is actually DDR5-5600 but may run as DDR5-4400 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 results with current Lenovo storage offerings.
[4] 2.5" HDD bay is optional part, only for customer self upgrade purpose and the hard drive is sold separately.
[5] The system dimensions may vary depending on configurations.
[6] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.
[7] Intel vPro platform requires the hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. For detailed vPro support information, please refer to the System Management section.

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