# ThinkCentre M90s Gen 5 12V4000DCA



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

- Intel Core i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB Intel Smart Cache
- 2x 16GB UDIMM DDR5-4400
- 1TB SSD M.2 2280 PCIe 4.0x4 NVMe Opal 2.0
- Integrated Intel UHD Graphics 770
- Windows 11 Pro, French
- Case color - Black
- 3-year, Onsite

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

- Advanced technical support, 24x7x365, in more than 100 markets
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- Technical Account Managers for proactive relationship and escalation management
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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™ i7-14700, 20C (8P + 12E) / 28T, Max Turbo up to 5.4GHz, P-core 2.1 / 5.3GHz, E-core 1.5 / 4.2GHz, 33MB Intel® Smart Cache

**Graphics**
Integrated Intel® UHD Graphics 770

**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**
1TB 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**
Optional 2.5" Bay

**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)**
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**[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** | : 198153680757 |
| **Announce Date** | : 2024-04-16 | **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.