

Lenovo ThinkCentre M70s Gen 5 12U8(12U80008MB)

Lenovo ThinkCentre M70s Gen 5 12U8 - SFF Core i7 i7-14700 / up to 5.4 GHz - vPro Enterprise - RAM 16 GB - SSD 512 GB - TCG Opal Encryption 2, NVMe - DVD-Writer - UHD Graphics 770 - Gigabit Ethernet - Win 11 Pro - monitor: none - keyboard: Belgium - black - Lenovo TopSeller - with 3 Years Lenovo Onsite Support + 1 Year Lenovo Premier Support



The Lenovo ThinkCentre M70s Gen 5 is designed for professionals seeking reliable performance and secure data management. It features a 20-core Intel Core i7 processor and 16 GB of DDR5 RAM for smooth operation, even under heavy workloads. Storage is fast and secure with a 512 GB NVMe SSD with TCG Opal Encryption 2. Connectivity includes USB-C 3.2 Gen 1 for fast data transfer and charging, along with HDMI and DisplayPort for multiple display setups. Security features include a discrete TPM 2.0 chip, chassis intrusion switch, and Kensington security slot. Its energy-efficient design is certified by ErP Lot 3, GREENGUARD, and TCO 9.0, making it an environmentally friendly choice.

Key Selling Points

- 20-core Intel Core i7 processor for high-speed performance
- 16 GB of DDR5 RAM supports efficient multitasking
- 512 GB NVMe SSD for quick boot and load times
- Multiple USB ports including USB-C 3.2 Gen 1 for versatile connectivity
- Energy-efficient design with ErP Lot 3 and GREENGUARD certifications

Product Features

- Robust performance**  
Equipped with a 20-core Intel Core i7-14700 processor and 16 GB of DDR5 RAM, this Lenovo ThinkCentre M70s Gen 5 offers exceptional speed and efficiency for handling demanding applications and multitasking with ease.
- Advanced storage solutions**  
Featuring a 512 GB SSD with PCI Express 4.0 x4 interface and NVMe technology, this desktop ensures fast boot times, quick data access, and secure storage with TCG Opal Encryption 2.
- Comprehensive connectivity**  
With a variety of USB ports including USB-C 3.2 Gen 1 for data transfer and 15 W charging, alongside HDMI and DisplayPort 1.4a, this model provides ample connectivity options for all your peripherals and displays.
- Enhanced security features**  
This system is fortified with a discrete TPM 2.0 security chip, chassis intrusion switch, and a Kensington security slot, offering advanced security measures to protect sensitive data.
- Energy efficient design**  
Certified by Energy-Related Products (ErP) Lot 3, GREENGUARD, and TCO certified 9.0, the Lenovo ThinkCentre M70s Gen 5 is designed to be energy efficient, reducing its carbon footprint while maintaining high performance.

Main Specifications

|                     |   |
|---------------------|---|
| Product Description | Lenovo ThinkCentre M70s Gen 5 - SFF Core i7 i7-14700 2.1 GHz - vPro Enterprise - 16 GB - SSD 512 GB - Belgium |
| Type                | Personal computer - SFF   |
| Bundled Services    | 3 Years Lenovo Onsite Support + 1 Year Lenovo Premier Support   |
| Platform Technology | Intel vPro Enterprise   |
| Localisation        | Language: English, French, German, Dutch / region: Belgium  |
| Processor           | Intel Core i7 (14th Gen) i7-14700 / 2.1 GHz (up to 5.4 GHz, (20-core)   |
| Cache Memory        | 33 MB   |
| Cache Per Processor | 33 MB   |
| RAM                 | 16 GB (installed) / 64 GB (max) - DDR5 SDRAM  |
| Storage Controller  | SATA (SATA 6Gb/s)   |

|                              |  |
|------------------------------|--|
| Hard Drive                   | SSD 512 GB - PCI Express 4.0 x4 - M.2 2280 - TCG Opal Encryption 2, NVMe Express (NVMe)  |
| Optical Storage              | DVD-Writer   |
| Card Reader                  | 3 in 1   |
| Graphics Controller          | Intel UHD Graphics 770 Shared Video Memory (UMA)   |
| Networking                   | 1GbE   |
| Keyboard                     | Belgium  |
| Power                        | (50/60 Hz)   |
| OS Provided                  | Windows 11 Pro   |
| Colour                       | Black  |
| Dimensions (WxDxH)           | 9.25 cm x 29.77 cm x 33.95 cm  |
| Weight                       | 5.3 kg   |
| Manufacturer Selling Program | Lenovo TopSeller   |
| Carbon Footprint             | 537 kg carbon emissions  |
| Manufacturer Warranty        | Base warranty - 1 year - on-site   Extended warranty - 3 years - on-site   Extended warranty - 1 year - on-site - response time: next business day |

Extended Specification

General

|                     |   |
|---------------------|---|
| Platform Technology | Intel vPro Enterprise   |
| Type                | Personal computer   |
| Bundled Services    | 3 Years Lenovo Onsite Support + 1 Year Lenovo Premier Support |
| Product Form Factor | SFF   |
| Built-in Devices    | Speaker   |
| Embedded Security   | Discrete Trusted Platform Module (TPM 2.0) Security Chip      |
| Colour              | Black   |
| Localisation        | Language: English, French, German, Dutch / region: Belgium    |

Expansion / Connectivity

|            |  |
|------------|--|
| Bays       | 1 (total) / 1 (free) x external 5.25" Slim Line   1 (total) / 1 (free) x internal 3.5"   |
| Slots      | 1 (total) / 1 (free) x PCIe 3.0 x16 - low-profile   1 (total) / 1 (free) x PCIe 3.0 x1 (low-profile)   1 (total) / 0 (free) x M.2 Card (for WLAN)   1 (total) / 0 (free) x M.2 Card (for SSD)  |
| Interfaces | 1 x USB-C 3.2 Gen 1 (1 in front) (data transfer, 15W charging)   4 x USB 3.2 Gen 1 (4 in front)   4 x USB 2.0 (4 rear)   1 x headphones/microphone (1 in front)   1 x microphone (1 in front)   1 x LAN (Gigabit Ethernet)   1 x HDMI   1 x DisplayPort 1.4a |

Manufacturer Warranty

|                   |  |
|-------------------|--|
| Service & Support | Base warranty - 1 year - on-site   Extended warranty - 3 years - on-site   Extended warranty - 1 year - on-site - response time: next business day |
|-------------------|--|

RAM

|                        |  |
|------------------------|--|
| Installed Size         | 16 GB (installed) / 64 GB (max)              |
| Technology             | DDR5 SDRAM                                   |
| Effective Memory Speed | 5600 MHz                                     |
| Rated Memory Speed     | 5600 MHz                                     |
| Form Factor            | DIMM 288-pin                                 |
| Slots                  | 2 (Total) / 1 (empty)                        |
| Features               | Unbuffered, dual channel memory architecture |
| Configuration Features | 1 x 16 GB                                    |

**Networking**

|                     |   |
|---------------------|---|
| Ethernet Controller | Intel I219-LM                             |
| Data Link Protocol  | Ethernet, Fast Ethernet, Gigabit Ethernet |
| Features            | Wake on LAN (WoL)                         |

**Miscellaneous**

|                              |   |
|------------------------------|---|
| Theft/Intrusion Protection   | Security lock slot (cable lock sold separately), padlock loop, chassis intrusion switch             |
| Security Slot Type           | Kensington security slot  |
| Compliant Standards          | RoHS, FIPS 140-2, GREENGUARD, Energy-Related Products (ErP) Lot 3, TCG Certified, TCO Certified 9.0 |
| Manufacturer Selling Program | Lenovo TopSeller  |

**Power**

|                  |                         |
|------------------|-------------------------|
| Device Type      | Power supply            |
| Voltage Required | AC 100-240 V (50/60 Hz) |
| Power Provided   | 260 Watt                |
| Efficiency       | 90%                     |

**Environmental Parameters**

|                           |          |
|---------------------------|----------|
| Min Operating Temperature | 5 °C     |
| Max Operating Temperature | 35 °C    |
| Humidity Range Operating  | 20 - 80% |

**Storage Controller**

|                           |            |
|---------------------------|------------|
| Type                      | 1 x SATA   |
| Controller Interface Type | SATA 6Gb/s |

**Cache Memory**

|                     |       |
|---------------------|-------|
| Installed Size      | 33 MB |
| Cache Per Processor | 33 MB |

**Optical Storage**

|      |                          |
|------|--------------------------|
| Type | DVD±RW DVD-Writer - SATA |
|------|--------------------------|

**Operating System / Software**

|             |  |
|-------------|--|
| OS Provided | Windows 11 Pro Dutch / English / French / German |
|-------------|--|

**Monitor**

|              |       |
|--------------|-------|
| Monitor Type | None. |
|--------------|-------|

**Graphics Controller**

|                    |  |
|--------------------|--|
| Graphics Processor | Intel UHD Graphics 770 Shared Video Memory (UMA) |
| Video Interfaces   | HDMI, DisplayPort                                |

**Audio Output**

|                     |                       |
|---------------------|-----------------------|
| Compliant Standards | High Definition Audio |
|---------------------|-----------------------|

**Hard Drive**

|          |                |
|----------|----------------|
| Type     | SSD - M.2 2280 |
| Capacity | 1 x 512 GB     |

|                |   |
|----------------|---|
| Interface Type | PCI Express 4.0 x4                        |
| Features       | TCG Opal Encryption 2, NVM Express (NVMe) |

Input Device

|      |                 |
|------|-----------------|
| Type | Mouse, keyboard |
|------|-----------------|

Dimensions & Weight

|        |          |
|--------|----------|
| Width  | 9.25 cm  |
| Depth  | 29.77 cm |
| Height | 33.95 cm |
| Weight | 5.3 kg   |

Dimensions & Weight (Shipping)

|                 |         |
|-----------------|---------|
| Shipping Width  | 19.5 cm |
| Shipping Depth  | 39.5 cm |
| Shipping Height | 53 cm   |
| Shipping Weight | 7.6 kg  |

Keyboard

|                       |                             |
|-----------------------|-----------------------------|
| Keyboard Name         | Lenovo Traditional Keyboard |
| Interface             | USB                         |
| Localization & Layout | Belgium                     |

Card Reader

|                              |  |
|------------------------------|--|
| Type                         | 3 in 1 card reader                                 |
| Supported Flash Memory Cards | SD Memory Card, SDHC Memory Card, SDXC Memory Card |

Mouse

|            |                       |
|------------|-----------------------|
| Mouse Name | Lenovo Calliope Mouse |
| Interface  | USB                   |

Processor / Chipset

|                 |                                     |
|-----------------|-------------------------------------|
| CPU             | Intel Core i7 (14th Gen) i7-14700   |
| Clock Speed     | 2.1 GHz (P-core) / 1.5 GHz (E-core) |
| Max Turbo Speed | 5.4 GHz (P-core) / 4.2 GHz (E-core) |
| Number of Cores | 20-core                             |
| CPU Qty         | 1                                   |
| Max CPU Qty     | 1                                   |
| Chipset Type    | Intel Q670                          |

Sustainability Information

|  |                         |
|--|-------------------------|
| Carbon Footprint                           | 537 kg carbon emissions |
| Total CF/unit Standard Deviation (kg CO2e) | 129                     |
| PAIA Version                               | 1.4.0                   |

\*TD SYNnex is not responsible for errors in the documentation of products.