

## 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 SYNEX is not responsible for errors in the documentation of products.