

Lenovo ThinkCentre neo 50q Gen 5 13B9(13B9003JMB)

Lenovo ThinkCentre neo 50q Gen 5 13B9 - Tiny Core 5 210H / up to 4.8 GHz - RAM 16 GB - SSD 512 GB - TCG Opal Encryption 2, NVMe - Intel Graphics - Gigabit Ethernet, IEEE 802.11ax (Wi-Fi 6), Bluetooth 5.4, IEEE 802.11be (Wi-Fi 7) - Win 11 Pro - monitor: none - keyboard: Belgium - black - Lenovo TopSeller - with CO2 Offset 0.5 ton (2nd Gen)



Lenovo ThinkCentre neo 50q Gen 5 combines compact design with robust performance, making it a choice for both home and office use. This ultra-small form factor PC features an Intel Core 5 processor with 8 cores and speeds of up to 4.8 GHz, providing the power needed for multitasking and demanding applications. The system supports DDR5 SDRAM, ensuring fast data transfer rates and efficient memory management. With integrated Realtek ALC256 audio codec and built-in speakers, experience seamless audio output for video conferencing or entertainment.

Expandability is simple with two M.2 SSD slots, allowing for increased storage without compromising the small footprint. Connectivity options include multiple USB ports, HDMI, and DisplayPort, enabling the connection of various devices. Advanced security features, such as a chassis intrusion switch and Kensington security slot, provide protection for sensitive data. Lenovo ThinkCentre neo 50q Gen 5 is designed to meet the needs of modern users who seek efficiency without sacrificing performance in a compact package.

Key Selling Points

- Compact ultra-small form factor design
- Powerful Intel Core 5 processor with 8 cores
- Fast DDR5 SDRAM for efficient performance
- Supports expandable storage with M.2 SSD slots
- Comprehensive connectivity options including USB and HDMI

Product Features

- Efficient processing power**
Equipped with an Intel Core 5 processor that operates at 2.2 GHz and can turbo boost up to 4.8 GHz, the system is optimized for handling various tasks simultaneously.
- High-speed memory**
With DDR5 SDRAM technology supporting data transfer rates of 5600 MT/s, the device enhances speed and performance during memory-intensive operations.
- Secure data protection**
The inclusion of a Discrete Trusted Platform Module (TPM 2.0) security chip offers reliable security features to safeguard sensitive information.
- Enhanced audio experience**
Featuring high-definition audio standards with an integrated Realtek ALC256 audio codec, the system ensures a rich sound experience for users.
- Versatile connectivity options**
Boasting multiple USB ports, HDMI, and DisplayPort, the device offers various options for connecting peripherals and displays, enhancing productivity.

Main Specifications

Product Description	Lenovo ThinkCentre neo 50q Gen 5 - tiny Core 5 210H 2.2 GHz - 16 GB - SSD 512 GB - Belgium
Type	Personal computer - tiny
Bundled Services	CO2 Offset 0.5 ton (2nd Gen)
Localisation	Language: English, German, French, Dutch / region: Belgium
Processor	Intel Core 5 (Series 2) 210H / 2.2 GHz (up to 4.8 GHz, (8-core)
Cache Memory	12 MB
Cache Per Processor	12 MB
RAM	16 GB (installed) / 64 GB (max) - DDR5 SDRAM

Hard Drive	SSD 512 GB - PCI Express 4.0 x4 - M.2 2280 - TCG Opal Encryption 2, NVMe Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	Intel Graphics Shared Video Memory (UMA)
Networking	1GbE, 802.11a, 802.11b/g/n, Wi-Fi 5, Wi-Fi 6, Bluetooth, Wi-Fi 7
Keyboard	Belgium
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Colour	Black
Dimensions (WxDxH)	17.9 cm x 18.29 cm x 3.65 cm
Weight	1.13 kg
Manufacturer Selling Program	Lenovo TopSeller
Environmental Standards	TCO Certified, generation 10, for desktops, ENERGY STAR Qualified
Carbon Footprint	227 kg carbon emissions
Manufacturer Warranty	Limited warranty - 1 year - on-site

Extended Specification

General

Type	Personal computer
Bundled Services	CO2 Offset 0.5 ton (2nd Gen)
Product Form Factor	Tiny
Built-in Devices	Speaker
Embedded Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip
Colour	Black
Localisation	Language: English, German, French, Dutch / region: Belgium

Expansion / Connectivity

Slots	2 (total) / 1 (free) x M.2 Card (for SSD) 1 (total) / 0 (free) x M.2 Card (for WLAN)
Interfaces	1 x USB-C 3.2 Gen 2 (1 front) (data transfer, 5V 3A charging) 2 x USB 3.2 Gen 2 (2 rear) 1 x headphones/microphone (1 front) 1 x USB 2.0 (1 rear) 1 x HDMI (1 rear) 1 x DisplayPort 1.4b (1 rear) 1 x LAN (Gigabit Ethernet) (1 rear) 1 x USB 2.0 (1 rear) (supports SmartPower On) 1 x USB 3.2 Gen 2 (1 front) (Always On, fast-charging (5V, 2.1A))

Manufacturer Warranty

Service & Support	Limited warranty - 1 year - on-site
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RAM

Installed Size	16 GB (installed) / 64 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	5600 MT/s
Rated Memory Speed	5600 MT/s
Form Factor	SO-DIMM 262-pin
Slots	2 (Total) / 1 (empty)
Features	Dual channel memory architecture
Configuration Features	1 x 16 GB

Networking

Interface (Bus) Type	M.2 Card
Ethernet Controller	Realtek RTL8111K
Wireless LAN Supported	Yes

Wireless NIC	Realtek RTL8922AE
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6), Bluetooth 5.4, IEEE 802.11be (Wi-Fi 7)
Features	Dual stream (2x2)

Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately), chassis intrusion switch, tool-less chassis access
Security Slot Type	Kensington security slot
Compliant Standards	RoHS, FIPS 140-2, TCG Certified
Manufacturer Selling Program	Lenovo TopSeller

Power

Device Type	Power adapter
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	90 Watt
Efficiency	89%

Environmental Parameters

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

Cache Memory

Installed Size	12 MB
Cache Per Processor	12 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Windows 11 Pro Dutch / English / French / German
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Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	Intel Graphics Shared Video Memory (UMA)
Video Interfaces	HDMI, DisplayPort
Max Monitors Supported	2

Audio Output

Compliant Standards	High Definition Audio
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Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 512 GB
Interface Type	PCI Express 4.0 x4
Features	TCG Opal Encryption 2, NVMe Express (NVMe)

Input Device

Type	Mouse, keyboard
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Dimensions & Weight

Width	17.9 cm
Depth	18.29 cm
Height	3.65 cm
Weight	1.13 kg

Dimensions & Weight (Shipping)

Shipping Width	42.9 cm
Shipping Depth	25 cm
Shipping Height	12.8 cm
Shipping Weight	3.44 kg

Keyboard

Keyboard Name	Lenovo Calliope Keyboard
Interface	USB
Localization & Layout	Belgium

Mouse

Mouse Name	Lenovo Calliope Mouse
Interface	USB

Processor / Chipset

CPU	Intel Core 5 (Series 2) 210H
Clock Speed	2.2 GHz (P-core) / 1.6 GHz (E-core)
Max Turbo Speed	4.8 GHz (P-core) / 3.6 GHz (E-core)
Number of Cores	8-core
CPU Qty	1
Max CPU Qty	1

Sustainability Information

TCO Certified	TCO Certified, generation 10, for desktops
ENERGY STAR Certified	Yes
ENERGY STAR Version	9.0
Carbon Footprint	227 kg carbon emissions
Total CF/unit Standard Deviation (kg CO2e)	59
PAIA Version	1.4.7

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