

DTLE12SC00A5SA

Lenovo Neo 50a G5 23.8" Full HD AIO PC, Core 7 240H 5.2GHz, 16GB RAM, 512GB SSD, Win 11 Pro

Product Overview

Lenovo ThinkCentre Neo 50a 24 Gen 5 23.8" IPS Full HD 1920x1080 AIO PC, Intel Core 7 240H Ten 10 Core Raptor Lake Turbo boost up to 5.2GHz 24MB L3 Cache Processor with Intel Graphics (6 performance Cores & 4 efficient), 16GB DDR5-5200 Memory, 2x DDR5 SO-DIMM slots, 512GB M.2 PCI-e Solid State Drive, USB Keyboard & Mouse, Wi-Fi 6, Bluetooth, Windows 11 Pro 64bit, 3W x2 Speakers, 90W 89% Adapter Power Supply, Full HD (1920x1080) IPS Anti-Glare 250nits 99% sRGB Display, 1x USB Type-A (USB 10Gbps / USB 3.2 Gen 2), 2x USB Type-A (Hi-Speed USB / USB 2.0), 1x HDMI -in 1.4, 1x HDMI -out 2.1 TMDS, 1x Ethernet (RJ-45), 1x USB-C (USB 10Gbps / USB 3.2 Gen 2) Data transfer and 15W charging (Front), 1x Headphone / Microphone Combo JACK(3.5mm) (Front)





Specifications

Overview Summary:

The Lenovo ThinkCentre Neo 50a 24 Gen 5 is a streamlined all-in-one desktop built for efficient performance in modern workspaces. Powered by an Intel Core 7 processor with fast DDR5 memory and a high-speed SSD, it delivers smooth multitasking and reliable computing for business, office, and home users. The 23.8-inch Full HD IPS display provides clear visuals with anti-glare technology, making it comfortable for extended use.

With integrated Wi-Fi 6, Bluetooth, and a wide range of connectivity options, this AIO PC is ready to support your daily productivity needs. Its clean, space-saving design keeps your desk organized while maintaining professional performance. Buy now and upgrade your workspace with a dependable all-in-one solution designed for South African users.

Performance tier:Mid-to-High

Uses:office work, business applications, remote work, home computing, multitasking, admin tasks, video conferencing

Overview:

The Lenovo ThinkCentre Neo 50a 24 Gen 5 is a streamlined all-in-one desktop designed for modern workspaces that prioritize efficiency, performance, and minimal clutter. Built around a 23.8 inch Full HD IPS display, it combines a clean aesthetic with capable internal hardware, making it suitable for office productivity, business environments, and home setups that require reliable computing without the footprint of a traditional tower.

Description:

The ThinkCentre Neo 50a 24 Gen 5 delivers a balanced computing experience with a 10 core Intel Core 7 processor, fast DDR5 memory, and high speed PCIe storage. Its integrated Full HD display with wide color coverage ensures sharp visuals for everyday tasks, while built in Wi Fi 6 and Bluetooth support seamless connectivity. With a compact all in one design, integrated speakers, and a high resolution camera, it is well suited for video conferencing, multitasking, and professional workflows. This system offers a practical combination of performance, simplicity, and space saving design for modern users.

Features:

Performance built for everyday productivity

At the core of this system is the Intel Core 7 240H processor, engineered with a hybrid architecture of 6 performance cores and 4 efficient cores. This allows the system to intelligently manage demanding applications alongside background processes, maintaining responsiveness across multitasking scenarios.

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Product Specification Sheet

With boost speeds reaching up to 5.2GHz and 16 threads available, the system handles office applications, browser workloads, and light creative tasks with ease. Integrated Intel graphics provide sufficient visual capability for standard business use, media playback, and general computing.

Memory and storage efficiency

The inclusion of 16GB DDR5 memory ensures faster data access and improved multitasking compared to previous generation systems. The dual slot design allows for future expansion, supporting up to 32GB if needed.

Storage is handled by a 512GB PCIe 4.0 NVMe SSD, delivering fast boot times and quick file access. This setup is well suited for users who need reliable performance without delays when launching applications or handling files.

Key hardware highlights:

- 16GB DDR5 5200MHz memory installed with upgrade support up to 32GB
- 512GB M.2 PCIe 4.0 NVMe SSD for fast system responsiveness
- Dual M.2 slots supporting SSD and WLAN expansion

Immersive display and integrated design

The 23.8 inch IPS display offers Full HD resolution with anti glare coating, making it comfortable for extended use in various lighting conditions. With 99 percent sRGB coverage, it delivers consistent and accurate color reproduction for everyday tasks and light creative work.

The all in one design integrates all components into a single unit, reducing cable clutter and simplifying setup. Its Luna Grey finish gives it a professional and modern look suitable for office or home environments.

Display and design essentials:

- 23.8 inch IPS panel with 1920 x 1080 resolution
- Anti glare coating with 250 nits brightness
- Slim all in one chassis with integrated stand
- Approximate weight of 6.0 kg for stable placement

Connectivity that supports modern workflows

This system is equipped with a practical selection of ports to support peripherals, displays, and networking needs. Both front and rear connectivity options allow convenient access depending on usage.

Connectivity highlights:

- USB C with 10Gbps data transfer and 15W charging at the front
- Multiple USB A ports including high speed and USB 2.0 options
- HDMI in and HDMI out support for display flexibility
- Gigabit Ethernet port for stable wired networking
- Wi Fi 6 and Bluetooth 5.2 for wireless connectivity

Built in collaboration and multimedia tools

Designed with hybrid work in mind, the system includes a 5MP camera and dual array microphones to support clear video conferencing. Integrated stereo speakers deliver adequate sound output for meetings and media playback without requiring external audio devices.

Additional multimedia components:

- 5MP camera for improved video clarity
- Dual microphones for voice capture
- Dual 3W speakers for everyday audio needs

Security and system environment

Security is handled through firmware based TPM 2.0, helping protect sensitive data and support secure login features in Windows 11 Pro. The system also includes a Kensington lock slot for physical security in shared or public environments.

The preinstalled Windows 11 Pro operating system ensures access to advanced business features, enhanced security, and productivity tools out of the box.

Technical summary and identification

For reference and procurement, this configuration is identified by Part Number DTLE12SC00A5SA and Model 12SC00A5SA. It is part of Lenovo's ThinkCentre Neo lineup, designed for professional environments requiring dependable performance in a compact form factor.

Core technical points:

- Intel Core 7 240H processor with 10 cores and 16 threads
- Integrated Intel graphics
- 16GB DDR5 memory and 512GB NVMe SSD
- 23.8 inch Full HD IPS display
- Windows 11 Pro operating system
- Wi Fi 6 and Bluetooth 5.2 connectivity

A practical all in one solution

The ThinkCentre Neo 50a 24 Gen 5 balances performance, design, and usability in a single device. With its efficient hardware configuration, integrated display, and clean setup, it fits well into environments where space, simplicity, and productivity are priorities. Whether deployed in an office or used as a home workstation, it provides consistent performance for day to day computing needs.

Specifications:

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Specifications	
Product Code	DTLE12SC00A5SA
ThinkCentre neo 50a 24 Gen 5	
Model	12SC00A5SA
PERFORMANCE	
Processor	Intel Core 7 240H, 10C (6P + 4E) / 16T, P-core 2.5 / 5.2GHz, E-core 1.8 / 4.0GHz, 24MB Intel Smart Cache
Graphics	Integrated Intel Graphics
Chipset	Intel SoC Platform
Memory	1x 16GB SODIMM DDR5-5200
Memory Slots	Two DDR5 SODIMM slots, dual-channel capable
Max Memory	Up to 32GB DDR5-5200
Storage	512GB SSD M.2 2280 PCIe 4.0x4 NVMe
Max Storage Support	One drive, up to 1TB M.2 2280 SSD

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Product Specification Sheet

Card Reader	No card reader
Optical	None
Audio Chip	High Definition (HD) Audio, Realtek ALC233-CG codec
Speakers	3Wx2
Camera	5.0MP
Microphone	2x, Array
Power Supply	90W 89% Adapter
DESIGN	
Display	23.8" FHD (1920x1080) IPS Anti-glare 250nits, 99% sRGB
Touchscreen	None
Keyboard	USB Calliope Keyboard, Black, English (EU)
Mouse	USB Calliope Mouse, Black
Expansion Slots	Two M.2 slots (one for WLAN, one for SSD)
Case Color	Luna Grey
Stand	Monitor Stand
Mounting	None
Wireless Charger	No Wireless Charger
Form Factor	AIO (23.8 inches)
Dimensions (WxDxH)	540 x 192 x 431 mm (21.25 x 7.56 x 16.97 inches)
Weight	Around 6.0 kg (13.23 lbs)
CONNECTIVITY	
WLAN + Bluetooth	Intel Wi-Fi 6 AX201, 802.11ax 2x2 + BT5.2
WWAN	WWAN Not Supported
Ethernet	Integrated 100/1000M
Rear Ports	1x USB-A (USB 10Gbps / USB 3.2 Gen 2)
	2x USB-A (Hi-Speed USB / USB 2.0)
	1x HDMI -in 1.4
	1x HDMI -out 2.1 TMDS
	1x Ethernet (RJ-45)
	1x power connector
Left Ports	1x USB-C (USB 10Gbps / USB 3.2 Gen 2), data transfer and 15W charging
	1x headphone / microphone combo jack (3.5mm)
SECURITY & PRIVACY	
Security Chip	Firmware TPM 2.0 integrated in SoC
Physical Locks	Kensington Security Slot , 3 x 7 mm
Chassis Intrusion Switch	No chassis intrusion switch
MANAGEABILITY	

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Product Specification Sheet

System Management	None
CERTIFICATIONS	
Green Certifications	ErP Lot 3/7
	GREENGUARD
	RoHS / WEEE / REACH
Other Certifications	TÜV Rheinland Flicker Free
	TÜV Rheinland Low Blue Light
	TÜV Rheinland Ultra Low Noise
SOFTWARE	
Operating System	Windows 11 Pro, English
Bundled Software	None
MODEL INFORMATION	
Model	12SC00A5SA
Machine Type	12SC
Region	MEA
Country/Region	South Africa
TopSeller	Yes
EAN / UPC / JAN	199272458371
Announce Date	2025-08-05
End of Support	2031-03-30

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/DTLE12SC00A5SA-Lenovo-Neo-50a-G5-23-8-Full-HD-AIO-PC-Buy-p-336239.php>

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