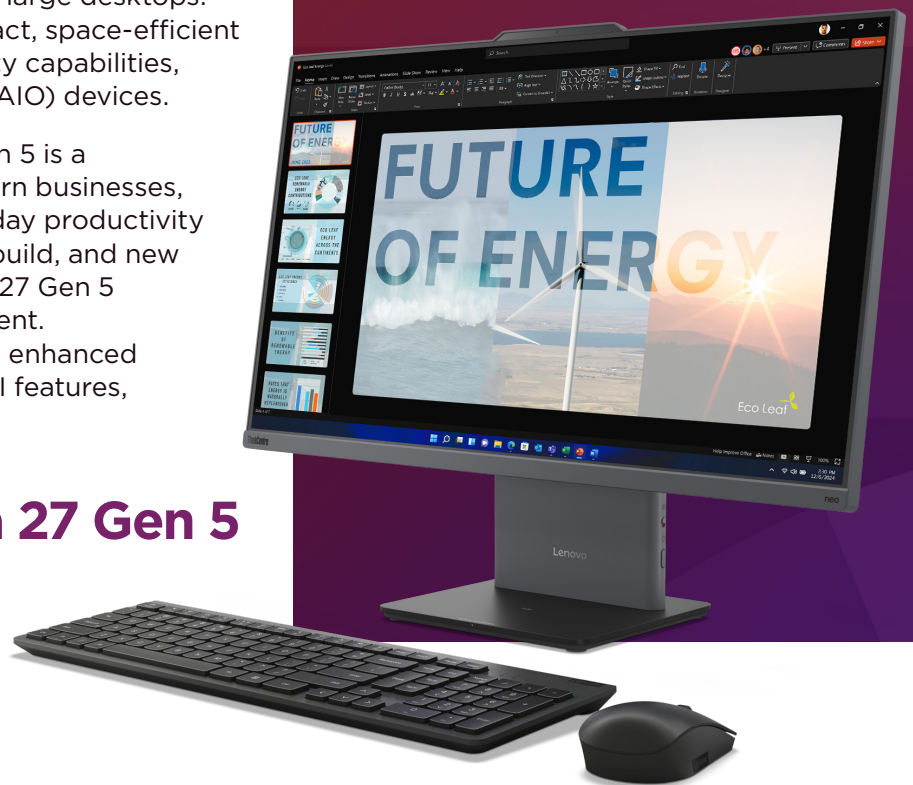


Workspaces have stepped into the future within the last decade. Work trends, too, reflect this change. Hybrid work, remote work, hot-desking, and other alternatives are preferred over in-office work. Most small and medium businesses lean towards hybrid workspaces to reduce overheads.

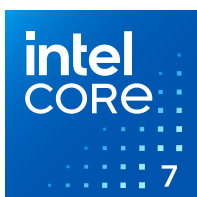
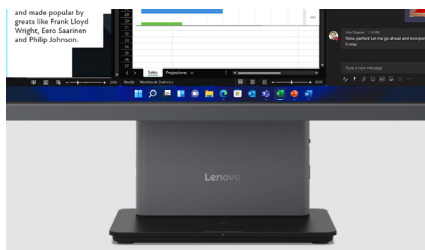
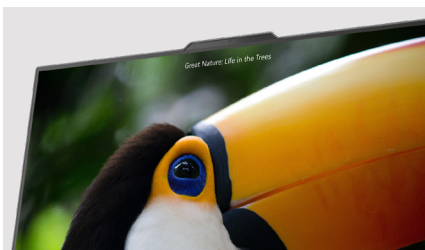
Hybrid workspaces are usually shared, translating to smaller spaces that are unsuitable for large desktops. As a result, businesses now favor compact, space-efficient devices that still offer robust productivity capabilities, leading to the popularity of All-in-One (AIO) devices.

The Lenovo ThinkCentre neo 50a 27 Gen 5 is a next-generation AIO designed for modern businesses, with powerful features that make everyday productivity a breeze. With its modular design, slim build, and new color scheme, the ThinkCentre neo 50a 27 Gen 5 is perfect for any professional environment. Upgraded with Intel® Core™ 7 processor, enhanced memory and storage, plus plethora of AI features, it greatly elevates the work experience.

ThinkCentre neo 50a 27 Gen 5



*Keyboard and mouse sold separately



Intel® Core™ 7 processor

ThinkCentre neo 50a 27 Gen 5



Made for productivity

Multitasking and embracing multiple roles are integral to modern work. The upgraded Intel® Core™ 7 processor, with up to 32GB DDR5 memory, integrated graphics, and up to 1TB Gen4 SSD storage gives ThinkCentre neo 50a 27 Gen 5 the power to spare for everyday tasks and some heavier work too. Microsoft Copilot employs AI to assist users across the Microsoft ecosystem. It enhances productivity by automating tasks, offering smart suggestions, and providing proactive support, making daily computing more efficient and convenient.



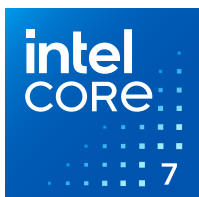
Smart conferencing

Integrated intelligent meeting features on ThinkCentre Neo 50a 27 Gen 5 significantly enrich the interaction experience. A temporary digital avatar adds flexibility to virtual meetings, while face and group tracking keeps participants in view at all times. These intelligent features improve engagement, seamless communication, and dynamic participant interaction. A 5MP + IR camera¹ ensures clear meetings, and the e-shutter safeguards privacy. Dolby Audio and audio by HARMAN enhance sound, while Active AI noise suppression eliminates unwanted voices, improving overall interaction quality.



Design and aesthetics

Decked in Luna Grey and Eclipse Black colors for an elegant look, ThinkCentre neo 50a 27 Gen 5 boasts an impressively slim profile, measuring just 17.8mm at its thickest and 13.8mm at the top, making it compact enough to save space. This entry-level AIO for SMBs, is the world's first to offer wireless charging¹ and features a wider stand for stability. TÜV Ultra Low Noise technology keeps noise levels low, preventing distractions in smaller workspaces.



Intel® Core™ 7 processor

Lenovo smart storage

The ThinkCentre neo 50a 27 Gen 5 comes with Lenovo Smart Storage, centralized cloud-based storage, enabling remote file access and automated backups to enhance collaboration.

Powerful, slimmer display

Featuring a 27-inch FHD IPS touch¹ display, this AIO boasts a remarkable 100Hz refresh rate, 300nits of brightness, and 99% sRGB color gamut ensuring clear, smooth visuals without blurring, even during multitasking with multiple windows. The slim 4.6mm bezels on the sides scale up screen space for enhanced viewing.

Ample ports

This AIO offers extensive connectivity options, including, high-speed USB-C 3.2 Gen2, USB-A 3.2 Gen2, HDMI, two USB-A 2.0 ports, and a LAN-in cable. The HDMI-in port supports extended Display Sharing, facilitating cross-device collaboration.

¹Optional

Lenovo

ThinkCentre neo 50a 27 Gen 5

Sustainable, user-friendly design

Lenovo takes its social and environmental responsibility seriously – a fact reflected in the ThinkCentre neo 50a 27 Gen 5. This AIO is made with responsibly sourced materials, and manufactured to reduce its emissions and industrial waste.



Prioritizes energy efficiency with ENERGY STAR® 8.0* certification



Made with 65% PCC and 30% OBP for increased ozone-friendliness

Services

Lenovo offers a comprehensive portfolio of end-to-end services to support and protect your investment — so you can focus on the job at hand, not IT.



Premier Support Plus

Premier Support Plus helps CIOs provide their organization's workforce with the support to do their best work while freeing IT teams from the break/fix burden. Get the highest level of support, including Lenovo expert engineers for a seamless remote fix; next business day onsite labor and parts prioritization (dependent on market parts and HW availability) Accidental Damage Protection for inevitable mishaps such as drink spills; Keep Your Drive; and more. Lenovo's human-centered approach is designed to meet support needs 24/7/365, and our proactive and predictive issue detection helps solve issues before they happen.



CO₂ Offset Services

Lenovo CO₂ Offset Services estimates CO₂ emissions across the average lifecycle of your device from manufacture to daily use to end-of-life and allows you to offset them by supporting verified United Nations, CDM, Climate Action Reserve, and Gold Standard® climate action projects. With access to a personalized sustainability dashboard. You will also be able to view project details, measure the total offsets across your IT footprint, and have full transparency of your contribution toward the environment.



Asset Recovery Service

This single-source solution helps manage IT assets at their end-of-life. Through certified recycling, reuse, and refurbishment of your assets, a dedicated Lenovo team will work with you to mitigate your IT hardware's environmental impact and data security risks, regardless of the brand.

Accessories

Lenovo Essential Wireless Combo Gen 2

With a slim keyboard and standard-size mouse it offers functionality and comfort. With a single nano receiver for Lenovo devices, connectivity is seamless. Crafted with 65% PCC, this combo is sustainable too.



(PN: 4X30M39458)

Lenovo Wired ANC Headset Gen 2 (Teams)

Crafted for the modern hybrid workplace, the Lenovo Wired ANC Headset Gen 2 integrates active noise canceling with cutting-edge EPOS BrainAdapt™ and ActiveGard® technology, ensuring unparalleled performance. It elevates user experience with two tailored variations—one certified for Microsoft Teams or Zoom and the other optimized for various UC platforms.



(PN: 4XDM45627)

*Not available for models with Intel® Core™ i3 or Intel® Pentium® processors

ThinkCentre neo 50a 27 Gen 5

Performance

Processor

Intel® Core™ 7 processor

Operating System

Windows 11

Memory

Up to 32GB DDR5 (5200MHz)

2 x SODIMM

Storage

Up to 1TB M.2 PCIe SSD

Graphics

Integrated UMA

Power supply

90W/135W*

Camera and mic

5MP/5MP + IR camera¹

Dual-array mic

Speaker

Dolby Audio

2 x 3W HARMAN speakers

Security

e-shutter for privacy

f-TPM

Kensington Security Slot™

Connectivity

LAN

10/100/1000M

WLAN

Wi-Fi 6

Bluetooth® 5.2

Side I/O ports

1 x USB-C 3.2 Gen2

1 x headphone and mic combo

Rear I/O ports

1 x USB-A 3.2 Gen2

2 x USB-A 2.0

1 x HDMI-out 2.1 TMDS

1 x HDMI-in

1 x LAN in

1 x Power DC-in

Design

Form factor

AIO

Display

27", WVA, 1920 x 1080,

FHD, IPS, 16:9, 300nits,

100Hz refresh rate, 99% sRGB

TUV Low Blue Light (H/W)

Luminance

300cd/m²

Contrast ratio

1300:1

View angle (L/R/U/D)

89°/89°/89°/89°

Surface treatment

Anti-glare 25%

Bezel width (left/right)

4.6mm

Dimensions

Without package (L x W x H)

611.72 x 192.10 x 471.66mm

24.08 x 7.56 x 16.97 inches

Weight

Without package (kg/lbs.)

7.1kg/15.65lbs.

With package (kg/lbs.)

10.9kg/24.03lbs.

Colors

Luna Grey and Eclipse Black

Sustainability

Material

PCC 65%

OBP 30%

Certifications/Registries

ENERGY STAR® 8.0²

EPEAT™ Silver

ErP

TED (Eco-declaration)

Japan Energy Saving Law

IEC 62368

RoHS

GREENGUARD™

Product Carbon Footprint

CEC

Low Halogen (only Chassis)

TÜV Low Blue Light

TÜV Ultra Low Noise

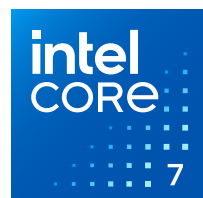
Low Frequency Flash

Software

Lenovo Smart Storage

McAfee Live Safe

MS Office Trial (except Japan)



Intel® Core™ 7 processor

²Not available for models with Intel® Core™ i3 or Intel® Pentium® processors
*For wireless charging

©2025 Lenovo. All rights reserved. Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen1; 10 Gbit/s for USB 3.1 Gen2 & 20 Gbit/s for USB 3.2. These products are available while supplies last. Prices shown are subject to change without notice. For any questions concerning price, please contact your Lenovo Account Executive. Lenovo is not responsible for photographic or typographic errors. Warranty: For a copy of applicable warranties, write to: Warranty Information, 500 Park Offices Drive, RTP, NC 27709, Attn: Dept. ZPYA/B600. Lenovo makes no representation or warranty regarding third-party products or services. Trademarks: Lenovo, the Lenovo logo, Rescue and Recovery, ThinkPad, ThinkCentre, ThinkStation, ThinkVantage, and ThinkVision are trademarks or registered trademarks of Lenovo. Microsoft, Windows, and Vista are registered trademarks of Microsoft Corporation. Intel, the Intel logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation in the U.S. and/or other countries. Other company, product and service names may be trademarks or service marks of others.

Lenovo