



Small and medium-sized businesses are operating in a demanding environment. Faced with the pressures of tight budgets, the critical need for data security, and the quest for streamlined workflows, these businesses refuse to compromise on delivering top-notch service. Enter the ThinkCentre neo 50s Gen 5, a small form factor desktop engineered to unleash remarkable performance. It is fortified with security features and has a space-saving design, making it the ultimate ally for ambitious entry-level SMBs.

Suitable for any workplace, this device boasts multiple smart features to increase productivity. The desktop is built with eco-friendly materials, features a stylish exterior, and guards the data within with robust ThinkShield security solutions.

ThinkCentre neo 50s Gen 5

Smarter
technology
for all

Lenovo



Up to Intel® Core™ i7 processor

ThinkCentre neo 50s Gen 5



Optimal performance

ThinkCentre neo 50s Gen 5 with **up to Intel® Core™ i7 processor (14th Gen)** allows for seamless handling of demanding applications. The **Intel® Arc™ A310** graphics¹ enhances visual experiences, ideal for graphics-intensive tasks. With up to 64GB DDR5 memory, you can run multiple applications simultaneously without lag. Gen4 SSD and HDD storage options provide rapid data access and ample space for your projects. The **Wi-Fi 6E** connectivity ensures faster internet speeds.



Compact and purposeful

ThinkCentre neo 50s Gen 5, with an **8.2L** small form factor (SFF), is designed for smaller workspaces. Its black color and classy design enhance the aesthetic and convey professionalism. You can place the device horizontally or vertically, optimizing space efficiency according to your preferences. The **ICE 7.0** adaptive cooling with multimode control tailors performance based on user scenarios, ensuring that you have the ideal computing environment, whether you multitask, work on graphics-intensive applications, or conduct routine tasks. **TÜV Ultra Low Noise certification** guarantees a quieter workspace, enhancing focus.



Secure by design

The **dTPM 2.0** ensures that your sensitive information is stored securely, adding a layer of protection against unauthorized access. BIOS-based **smart USB protection** prevents potential threats from external devices, while the **Kensington Security Slot™** and optional cable lock allow for physical security. The **intrusion switch cable** prevents unauthorized access, ensuring data integrity. In healthcare settings, these features protect patient information and help comply with regulatory standards.



Effortless connectivity

Smart Connect enhances the multi-device experience by eliminating disruptions when switching between phones, tablets, and PCs. Using a keyboard and mouse, users can effortlessly navigate between devices. This streamlines workflows, enabling you to edit documents on a PC, pull in content from a tablet, and simultaneously participate in meetings via a smartphone.



Environmentally friendly

ENERGY STAR® 8.0 certification ensures energy efficiency. **EPEAT™ Gold** underscores the commitment to sustainability. Compliance with FSC, RoHS, and ErP Lot 3 standards guarantees responsible sourcing and minimal environmental impact, making your work practices more sustainable.



Up to Intel® Core™ i7 processor

¹Optional

ThinkCentre neo 50s Gen 5

Lenovo is dedicated to leading the way toward a more sustainable future. The sustainability initiatives of the ThinkCentre neo 50s Gen 5 encompass its entire lifecycle, from reducing paper and plastic packaging waste to responsibly recycling reusable hardware.



Chassis with 85% PCC enhances eco-friendliness and reduces ozone impact



30% OBP in the device packaging contributes to the fight against pollution

Services



Lenovo Premier Support Plus

Reduce downtime and increase productivity with direct access to advanced technicians who provide better, faster solutions that work every time—anytime, anywhere.



Lenovo CO₂ Offset Services

Make carbon offsetting easy with a seamless, transparent process for Lenovo devices across current IT fleet or new purchases—with a sustainability dashboard to view the offset metrics.



Lenovo Asset Recovery Services

This solution manages IT assets at end-of-life, with a dedicated Lenovo team ensuring environmentally responsible disposal through certified recycling, reuse, and refurbishment.



Warranty Extension (1-year base warranty)

This fixed-term, fixed-cost service helps you accurately budget for desktop expenses, protect your valuable investment, and lower the cost of ownership over time.

Accessories

Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2

The Lenovo Essential Wireless Combo Keyboard & Mouse Gen 2 combines professional aesthetics, masterful ergonomics, and sustainable design for a sophisticated and comfortable office setup. The ultra-slim keyboard features responsive keys, while the full-size mouse offers ambidextrous support. All are connected via a reliable 2.4GHz receiver, and 65% post-consumer recycled plastic is used in its construction.



(PN: 4X31N50708 / 4X31N50757)

Lenovo USB-A Wired Stereo Headset Gen 2

The Lenovo USB-A Wired Stereo Headset Gen 2 offers exceptional call quality, effortless productivity controls, and supreme comfort with its lightweight design. It is an essential tool for professionals seeking clarity and comfort in their work environment.



(PN: 4XD1P83425)

ThinkCentre neo 50s Gen 5

Performance

Processor

Up to Intel® Core™ i7 processor
(14th Gen)

Operating System

Windows 11 Pro

Memory

Up to 64GB (5600MHz)
2 x DDR5 UDIMM

Storage

Up to 2TB HDD
1 x 1TB Gen4 M.2 PCIe SSD

Graphics

Intel® Arc™ A310¹
Integrated Intel® UMA

Power supply

260W (90% energy efficient)
180W (85% energy efficient)

Security

BIOS-based Smart USB protection
BIOS-based I/O port disablement
dTPM 2.0
Kensington Security Slot™
Cable lock¹
Intrusion switch cable¹
Padlock loop

Connectivity

LAN

Up to Wi-Fi 6E
Bluetooth® 5.2

WLAN

10/100/1000M

Rear I/O ports

4 x USB-A (hi-speed USB)
1 x USB-A (high-speed USB)¹
1 x HDMI 2.1
1 x DisplayPort 1.4
1 x Parallel¹
2 x Serial¹
1 x VGA
Ethernet (RJ45)
Audio out

Front I/O ports

1 x USB-C (USB 5Gbps)
2 x USB-A (USB 5Gbps)¹
always on
Headphone/mic combo
3-in-1 card reader¹

Expansion slots

PCIe x 16 Gen3
PCIe
1 x M.2 PCIe SSD
M.2 Wi-Fi

Internal bay

3.5" HDD

External bay

Slim ODD¹

Design

Form factor

8.2L

Dimensions (H x W x D)

With handle, front bezel
and rubber foot
339.50 x 92.50 x 291.4mm
13.36 x 3.64 x 11.47 inches

Chassis (only metal)

336.00 x 89.00 x 256.80mm
13.2 x 3.5 x 10.1 inches

Weight

Gross weight: 6.7kg/14.8lbs.
Net weight: 4.6kg/10.2lbs.

Color

Black

Sustainability

Material

Chassis

85% PCC recycled ABS plastic

Packaging

30% OBP in the device bag
FSC-certified carton

Certifications/Registries

ENERGY STAR® 8.0
EPEAT™ Gold²
FSC
RoHS
TCO 9.0
ErP Lot 3
TÜV Ultra Low Noise

Software

Absolute Home & Office
Adobe
Adobe Element
Blanco
Bufferzone
Smart Connect
Lenovo Smart Storage
Lenovo Vantage
McAfee LiveSafe™ (trial)
Norton
Office 365 (trial)



Up to Intel® Core™ i7 processor

¹Optional

²Available on select models only

©2024 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.