Lenovo
ThinkCentre

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

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** graphics[1] 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

[1]Optional

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 CO$_2$ 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™ A310[1]
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 lock[1]
Intrusion switch cable[1]
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 Parallel[1]
2 x Serial[1]
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 reader[1]

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 ODD[1]

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™ Gold[2]
FSC
RoHS
TCO 9.0
ErP Lot 3
TÜV Ultra Low Noise

Software

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

Up to Intel® Core™ i7 processor

[1]Optional
[2]Available on select models only