

ThinkCentre^{NEO}

ThinkCentre neo

Mini Solutions Guide

October 2022



Smarter
technology
for all

Lenovo

intel.
CORE™

i9 12th Gen Intel® Core™ i9 processor



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Why ThinkCentre neo?

The future differs in markedly important, unexpected ways with evolving technology.

ThinkCentre neo series of desktops keep in line with the demands of modern, growing businesses and a smarter future.

Desktops continue to be highly relevant in terms of superior performance, cost-effectiveness, and enhanced physical security. The emergence of this new desktop series is an intelligent transformation towards innovation and an exemplar of Lenovo's ongoing effort to become more sustainable. There is a choice for every use-case demand – from affordable business computing needs to high-intensity performance, and is available in a variety of form factors.



Making the most of new workplace trends

Virtual, **multidirectional collaboration** with remote workers¹



Human-centric **intuitive technology** to interact naturally and productively¹



Smart systems that consumes less power, sensors for operational **efficiency and comfort**²



ThinkCentre NEO

¹Up to Wi-Fi 6, AI Meeting Manager, optional Smart Cable, Smart Storage, AI-chip camera

²Intelligent Cooling Engine (ICE 5.0), Modern Standby, Fast Boot, Smart Power On, TÜV Ultra-Low-Noise Certification, TCO 9.0, Energy Star® 8.0

³Research: Sustainability at a turning point, IBM Institute for Business Value, 2021

84% of global consumers consider sustainability important when choosing a brand³

What makes the ThinkCentre neo Series stand out?

With the ThinkCentre neo series, we reinvent new experiences for future-ready organizations. It is one of our most ambitious portfolios that delivers more responsible computing with reduced emissions and use of recycled materials during its entire lifecycle, which serves as an inspiration to create a better future. It reshapes computing experiences by blending seamlessly into today's productivity and collaboration needs, while leaving a positive impact on the planet with a reduced carbon footprint.

ThinkCentre NEO



Modern design



Enhanced productivity



Seamless collaboration



Steadfast security



Manageability made easy



Responsible computing



What makes the ThinkCentre neo Series stand out?



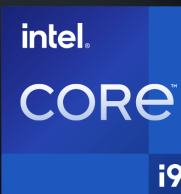
Modern design

Designed to take pride of place in any modern workspace, the ThinkCentre neo series features a stylish, minimalist design with a unique **terrazzo** finish—a sophisticated look made for business environments. Its contemporary looks paired with environmentally conscious design practices, including the use of paint-free raw materials and recycled ocean-bound plastic in packaging facilitate and encourage recycling and minimization of resource consumption.

ThinkCentre NEO



ThinkCentre neo 50t
Tower



12th Gen Intel® Core™ i9 processor

What makes the ThinkCentre neo Series stand out?



Enhanced productivity

Modern growing businesses thrive on creative professionals—the ability to create seamlessly is in high demand. As a result, robust systems that can handle the rigors of heavy-duty creative work every day are a must. The ThinkCentre neo series, powered by up to **12th Gen Intel® Core™ i processors** and up to DDR5 4400MHz* memory is designed with modern creatives in mind.

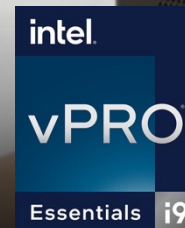
The latest **Intelligent Cooling Engine (ICE 5.0)** optimizes device power consumption and maximizes performance.

ThinkCentre NEO

Features may vary by models



ThinkCentre neo 70t
Tower



Intel vPro® Essentials with
12th Gen Intel® Core™ i9 processor

What makes the ThinkCentre neo Series stand out?



Smart collaboration

Fast connectivity and seamless, secure data transfers make all the difference. The ThinkCentre neo family facilitates collaboration with a range of smart features. Up to **Wi-Fi 6** sets the standard for congestion-free connectivity when working remotely.

Other smart features like the **AI Meeting Manager**, smart appearance, and Alexa-based voice interaction streamline online meetings.

The **Smart Cable**¹ simplifies and speeds up file transfers and peripheral connectivity, allowing users to connect multiple displays and systems.

Cloud-based **Smart Storage** allows seamless data access across teams and organizations.

ThinkCentre NEO

Features may vary by models
¹Optional

ThinkCentre neo 50a
All-in-One



Intel® Core™ i7 processor
with Intel® Arc™ graphics

What makes the ThinkCentre neo Series stand out?



Steadfast security

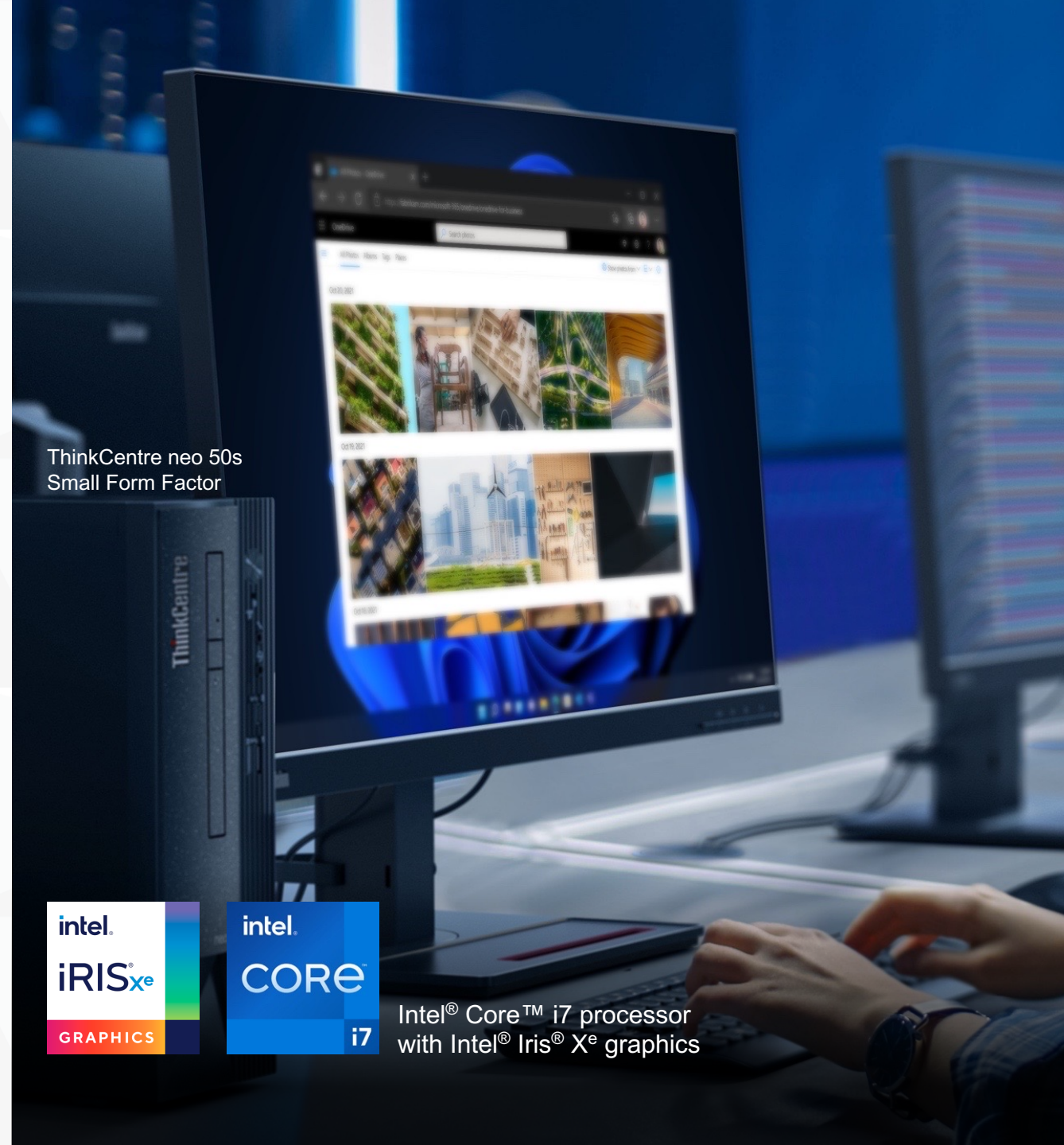
Rapidly evolving cybersecurity threats are everywhere, and it is increasingly essential that business data is adequately secured. ThinkCentre neo Series is armed with intelligent security designed to keep critical business information safe from attack.

The **discrete Trusted Platform Module** encrypts data, **Lenovo ThinkShield** offers robust protection and recovery solutions. **McAfee® LiveSafe™** keeps you safe at the software level and as you browse.

Smart USB Protection helps prevent data theft by unauthorized transfers via USB. The **Smart Cable Clip¹** locks peripherals in place so they can't be removed easily. The padlock loop prevents side cover removal and the **Kensington™ lock** helps chain the system to a non-movable surface to prevent device theft.

ThinkCentre NEO

¹Optional
Features may vary by models



ThinkCentre neo 50s
Small Form Factor



Intel® Core™ i7 processor
with Intel® Iris® X^e graphics

What makes the ThinkCentre neo Series stand out?



Manageability made easy

The **Intel vPro® Essentials¹** platform simplifies device management with Intel® Standard Manageability—Agent Presence, Remote Configuration, USB Protection, System Defense, and Access Monitor speed up device deployment and fixes.

Other features like **Modern Standby** keep devices and users up-to-date, even in sleep mode.

Lenovo Vantage provides the ultimate manageability experience, delivering remote IT support, updates, and more. **Fast Boot** reduces the start-up downtime for starting work quicker.

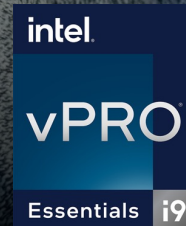
Smart Power On authenticates and biometrically logs you in simultaneously.

ThinkCentre NEO

¹Available on ThinkCentre neo 70t
Features may vary by models



ThinkCentre neo 70t
Tower



Intel vPro® Essentials with
12th Gen Intel® Core™ i9 processor

Responsible computing

Lenovo firmly believes in its responsibility to the environment—carefully choosing every product and its packaging to minimize the impact on nature.



Packaging from recycled materials

ThinkCentre neo is the first product series in Lenovo to use up to 30.5% recycled ocean-bound plastic in packaging.¹ ThinkCentre neo products reduce over 12000kg/year¹ of plastic spillage into the sea



Energy conservation

The ThinkCentre neo series delivers power savings of up to 61.55kWh/year and reduces up to 29kg of carbon emission on average per unit every year²



Recycled materials

All Lenovo products are made of up to 85% post-consumer recycled content in each device.¹ 30.5% of all raw materials used are Post-Consumer Recycled Content (PCC), saving natural resources and diverting these materials from landfills¹



Product innovation

Paint-free raw materials used during production¹ prevent up to 15g/unit of volatile organic compounds (VOC) from being released. The low-temperature solder process used in their manufacture reduces carbon emissions by almost 35%.¹



CO₂ Offset Service

Lenovo's CO₂ offset service is a tailor-made solution to help customers reduce their carbon dioxide emissions at no additional cost as part of the Device as a Service package. The amount of CO₂ offset is calculated based on realistic emissions per product and a typical 5-year product lifecycle. Organizations that participate receive an internationally-recognized certificate of carbon emission reduction.

Powered by Windows 11

Windows 11, paired with the ThinkCentre neo series, significantly boosts business productivity, security, and collaboration. Its streamlined UI is intuitive, creating a more productive work environment with its seamless split-screen mode. Integrated Microsoft Teams, voice interaction, and AI Meeting Manager improve collaboration, helping conduct more efficient meetings. App compatibility and cloud management speed up device deployment. Out-of-the-box Zero-Trust security keeps critical data safe from the get-go.



Productive

Simple, powerful UX to improve employee productivity and focus

Reducing employee cognitive load with a simplified, streamlined UI and more productive working environment with ThinkCentre neo AIO's split-screen mode



Collaborative

A smarter way to collaborate with Microsoft Teams integration

Sharing content straight from the taskbar along with ThinkCentre neo AIO's voice interaction and AI Meeting Manager support effective meetings and collaboration



Consistent

App compatibility and cloud management make adoption easy

Familiar deployment, update tools and processes like Windows Update for Business & Windows Deployment Services alongside Lenovo Vantage empowers users to keep their devices up and running



Secure

Zero-trust ready OS to protect data and access, anywhere

Zero trust security combines secure device attributes with multi factor authentication, while ThinkCentre neo devices' dTPM 2.0 encrypts sensitive data

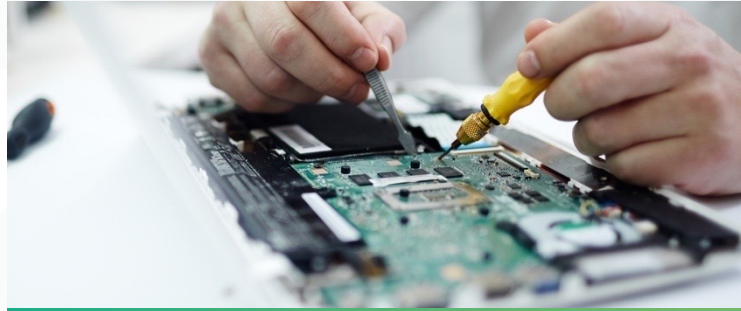
Services for improved efficiency

Lenovo offers a comprehensive suite of services designed to support the entire lifecycle of Lenovo IT assets—from the initial plan to asset recovery—including configuration and deployment.



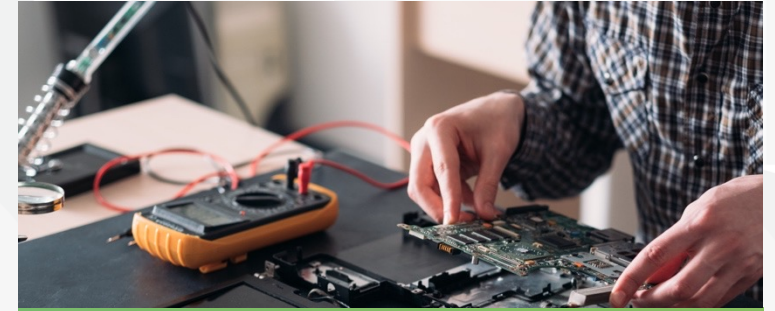
Lenovo Premier Support

Gain 24x7x365 direct access to the finest Lenovo engineers for completely unscripted, real-time technical support, troubleshooting for hardware, OEM software, priority service, and parts delivery with Lenovo Premier Support.



Lenovo Device as a Service

Gain combined hardware, software, and associated services in a single, flexible solution designed to support businesses. This innovative, fully-managed plan is tailor-made for specific business needs, and adaptable at a moment's notice, simplifying IT and helping reduce business overheads.

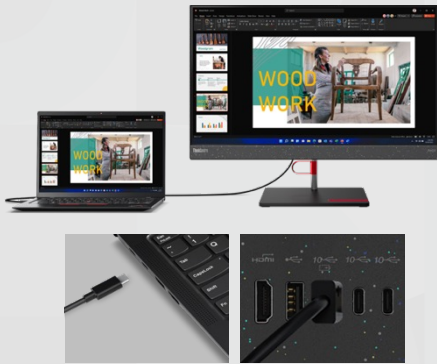


Warranty Support

Every Lenovo device comes with a standard 1-year warranty, expandable for up to 4 years, lowering the cost of ownership and repair and helping businesses accurately budget their IT needs.

Solutions for a cohesive experience

Lenovo offers an entire ecosystem of accessories and solutions for a more streamlined computing experience.



Smart Cable

Collaboration solution
for two devices



Input Options

Essential Wireless
Keyboard & Mouse Combo



Audio

Lenovo Pro Stereo
Wired VoIP Headset



Monitor

ThinkVision E27q-20
Monitor

Portfolio Comparison

Tower and Small Form Factor

ThinkCentre	neo 70t	neo 50t	neo 50s
Who is it for	Content creators and Developers	Extreme Multitaskers	Knowledge Workers
Platform	Up to 125w 12 th Gen Intel® Core™ i9 processor	Up to 12 th Gen Intel® Core™ i9 processor	Up to 12 th Gen Intel® Core™ i9 processor
Form factor	17L	13.6L	7.4L
Graphics	UMA, NVIDIA® GeForce® GTX 1660 SUPER™, NVIDIA® GeForce RTX™ 3050 NVIDIA® GeForce RTX™ 3060 NVIDIA® GeForce RTX™ 3060 Ti	Intel® Iris X ^e MAX 100, AMD RX6400, NVIDIA® GeForce RTX™ 3050, Integrated Intel® UHD graphics	Intel® Iris X ^e MAX 100, Integrated Intel® UHD graphics
Camera	N/A	N/A	N/A
Memory	Up to 128GB DDR5 4400MT/s	Up to 64GB DDR4 3200MHz (2 UDIMM)	Up to 64GB DDR4 3200MHz (UDIMM)
Ports	1 x USB 3.2 Gen2 Type-C 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x Audio Combo 1 x Mic 3-in-1 Card Reader ¹ 2 x USB 3.2 Gen1 2 x USB 2.0 1 x HDMI 2.1 TMDS 1 x DisplayPort 1 x Flexible IO (HDMI/DP/VGA/Type-C) 1 x Audio Out 1 x Audio In 1 x Mic (5.1 Channel), 2 x Serial ¹ Ports 1 x LAN (RJ-45) default 2 x PS2 ¹ 1 x Parallel Port ¹ Smart Cable ¹	1 x USB 3.2 Gen1 Type-C 2 x USB 3.2 Gen2 2 x USB 3.2 Gen1 1 x Combo 1 x Mic Card Reader ¹ 4 x USB 2.0 1 x VGA 1 x HDMI 1 x DP 1 x Audio Out 1 x Serial, 2nd serial ¹ 1 x LAN PS2 ¹ Parallel ¹ 1 x VGA	2 x USB 3.2 Gen1 1 x USB 3.2 Gen1 Type-C Card Reader (7-in-1) ¹ 1 x Audio Combo 1 x Mic 1 x LAN (1G) 2 x USB 3.2 Gen1 2 x USB 2.0 HDMI 2.0 1 x VGA 1 x DP
Storage	Up to 2TB 3.5" 7200rpm SATA HDD, Up to 1TB Dual Gen4 SSD	Supports up to two drives Up to 2TB 3.5" HDD, Up to 1TB M.2 PCIe Gen4 SSD	Up to 2TB 7200rpm 3.5" SATA, 1TB PCIe TLC SSD Gen4
Network	Up to 2 x 2 AX Wi-Fi 6 with Bluetooth	2 x 2 AX Wi-Fi 6 with Bluetooth® 5.2, 2 x 2 AC Wi-Fi 5 with Bluetooth® 5.0	2 x 2 AX Wi-Fi 6, 2 x 2 AC Wi-Fi 5, Bluetooth® 5.0
Security	dTPM 2.0, Kensington™ lock slot, Padlock Loop Smart Cable Lock ¹ , Chassis Intrusion Switch ¹ Smart USB Protection, Smart Power On, RAID 0/1	dTPM 2.0 Kensington™ lock slot, Padlock Loop Smart Cable Clip ¹ , Chassis Intrusion Switch	dTPM Kensington™ lock slot, Padlock Loop Smart Cable Clip ¹ Chassis Intrusion Switch ¹
Certifications	Energy Star® 8.0, EPEAT™ Silver, NVIDIA® Studio Certification, TÜV Low & Ultra-Low-Noise Certification	Energy Star® 8.0, EPEAT™ Gold, TÜV Ultra-Low-Noise Certification, TCO 9.0	Energy Star® 8.0, EPEAT™ Gold, TÜV Low Noise Certification, TCO 9.0

ThinkCentre NEO

¹Optional

Portfolio Comparison

All-in-One

ThinkCentre	neo 50a	neo 30a 22	neo 30a 24	neo 30a 27
Who is it for	Creators and Data-focused Employees	Knowledge Workers	Extreme Multitaskers	Extreme Multitaskers
Platform	12 th Gen Intel® Core™ i7 H-Series processor	Up to 12 th Gen Intel® Core™ i5 processor	Up to 12 th Gen Intel® Core™ i7 processor	Up to 12 th Gen Intel® Core™ i7 processor
Form factor	AIO 23.8"	AIO 21.5"	AIO 23.8"	AIO 27"
Graphics	Intel® Arc™ A370M	Integrated UMA graphics	Integrated UMA graphics	Integrated UMA graphics
Camera & Mic	5MP / 5MP IR/ 5MP IR+AI Camera + Dual-array Mic	720p + single mic, dual mic ¹	720p / 5M IR Camera + dual mic	720p / 5M IR Camera + dual mic
Memory	Up to 16GB DDR5, 4800Hz, 2 x SODIMM	Up to 16GB DDR4 3200MHz (SODIMM)	Up to 16GB DDR4 3200MHz (SODIMM)	Up to 16GB DDR4, 2 x SODIMM
Ports	AC Power in LAN 1 x USB Type-A (USB 3.2 Gen1) 1 x RJ45 1 x HDMI-out (2.1 TMDS) 1 x HDMI-in 1 x USB 2.0 1 x USB 3 Type-A 2 x USB 3 Type-C 1 x USB Type-C (fast charging 45W) Headphone and Mic combo port Kensington™ lock slot	2 x USB 3.2 Gen2 2 x USB 2.0 1 x HDMI-out DC in LAN in Headphone and mic combo port	2 x USB 3.2 Gen2 2 x USB 2.0 1 x HDMI-out DC in LAN in Headphone and mic combo	DC Power In LAN in 2 x USB 2.0 2 x USB 3,1 (Gen 2) HDMI 1.4 (Out) Power Button Bottom Ports Headphone and Mic Combo
Storage	up to 2TB HDD, up to 1TB SSD	up to 1TB 2.5" 5400rpm HDD up to 512GB M.2 PCIe SSD	up to 1TB 2.5" 5400rpm up to 1TB M.2 PCIe SSD	up to 1TB HDD up to 1TB SSD
Network	Wi-Fi 5, Wi-Fi 6, Bluetooth® 5.0	2 x 2 AX Wi-Fi 6, 2 x 2 AC Wi-Fi 5, Bluetooth® 5.0	2 x 2 AX Wi-Fi 6, 2 x 2 AC Wi-Fi 5, Bluetooth® 5.0	WLAN, Wi-Fi 6, Bluetooth® 5.0
Security	Smart Cable, ¹ Ambient Light Sensor, Human Presence Detection, Firmware TPM 2.0, Kensington™ lock slot	Smart Cable Clip, ¹ Firmware TPM 2.0	Smart Cable Clip, ¹ Firmware TPM 2.0	Smart Cable Clip, ¹ Firmware TPM 2.0
Certifications	TÜV Rheinland Low Blue Light Certification, Energy Star® 8.0, EPEAT™ Silver	Energy Star® 8.0, Low Halogen (only Chassis), EPEAT™ Silver, TÜV Low Blue Light Certification, TÜV Low Noise Certification, Low-Frequency Flash Certification	Energy Star® 8.0, EPEAT™ Silver, TÜV Low Blue Light Certification, TÜV Low Noise Certification, Low-Frequency Flash Certification	Energy Star® 8.0, EPEAT™ Silver, TÜV Low Blue Light Certification, TÜV Low Noise Certification, Low-Frequency Flash Certification

ThinkCentre NEO

¹Optional

Practical applications in the modern workplaces

ThinkCentre neo 70t



Who is it for

Content Creators, Developers

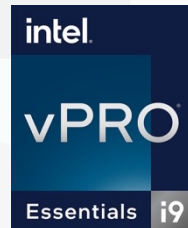
User scenario

- Complex work requires heavy-duty machines for flawless execution. Now, busy design professionals can confidently take on intricate jobs with the power of the 12th Gen Intel® Core™ i processor
- With up to 2TB HDD and up to 1TB Gen4 SSD, programmers and creators can create, store, archive, and access all their work quickly and easily
- Power and speed are vital for high performance. The built-in Intelligent Cooling Engine (ICE 5.0) helps boost system performance giving the modern-day multitasker a seamless work experience
- Lenovo Fast Boot reduces the boot time by speeding up the Power-On process. Using Smart Power On, you can fire up your desktop with a simple keyboard shortcut

Job relevance

3D design, animation, virtual/augmented reality, modeling, simulation, coding, algorithms, scientific apps, image/media/data analysis

Image/media/data analysis, processing, and editing; visual analytics and reporting; decision sciences



ThinkCentre^{NEO}

Intel vPro® Essentials with 12th Gen Intel® Core™ i9 processor

Practical applications in the modern workplaces

ThinkCentre neo 50t



Who is it for

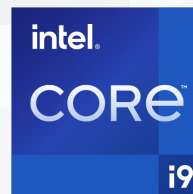
New Workplace Professionals: Extreme multitaskers

User scenario

- Extreme multitaskers and content creators work on multiple files every day. They can now harness the power of the latest 12th Gen Intel® Core™ i processor and Intel® X^e DG1 graphics to work on complex apps and easily execute day-to-day jobs. The Smart Storage¹ solution provides easier access and automatically backups data across systems while maintaining utmost security and ease of use.
- Designers and analysts who work across multiple devices can use the Smart Cable¹ to instantly connect and operate across two systems and share storage or transfer files from ThinkCentre neo 50t to other systems and back.
- For workers who are always in a rush, Lenovo Fast Boot reduces the boot time by speeding up the Power On process, allowing them to get started instantly.

Job relevance

Office, Outlook, Teams, Zoom, Webex, IM, browsers, image editing, business intelligence, and business vertical apps



12th Gen Intel® Core™ i9 processor



ThinkCentre^{NEO}

¹Optional

Practical applications in the modern workplaces

ThinkCentre neo 50s



Who is it for

New Workplace Professionals: Knowledge workers

User scenario

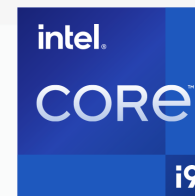
- Content creators can leverage the power of the latest 12th Gen Intel® Core™ *i* processor and Intel® X^e DG1 graphics to work on complex apps and execute day-to-day jobs with ease.
- The ultimate solution to file sharing, Smart Cable¹ simplifies collaboration when sharing storage or transferring files between two computing devices. Designers can drag and drop images from their notebook to the desktop and start editing instantly—all with a shared keyboard and mouse.
- ThinkCentre neo 50s uplifts your environmental responsibility and workspace savings considerably. Returning with a healthy 61.55kwh/y, or 29.6kg CO₂ emission/year,² the ThinkCentre neo 50s lets ecopreneurs and business owners add more value to their ecological responsibility by saving highly on power consumption. Also, EPEAT™ Gold Certification, Energy Star® 8.0, adds to its power-saving advantages.

Job relevance

Office, Outlook, Teams, Zoom, Webex, IM, browser, media, and file viewers/editors

ThinkCentre NEO

¹Optional
²As compared with the FY1819 baseline comparable product

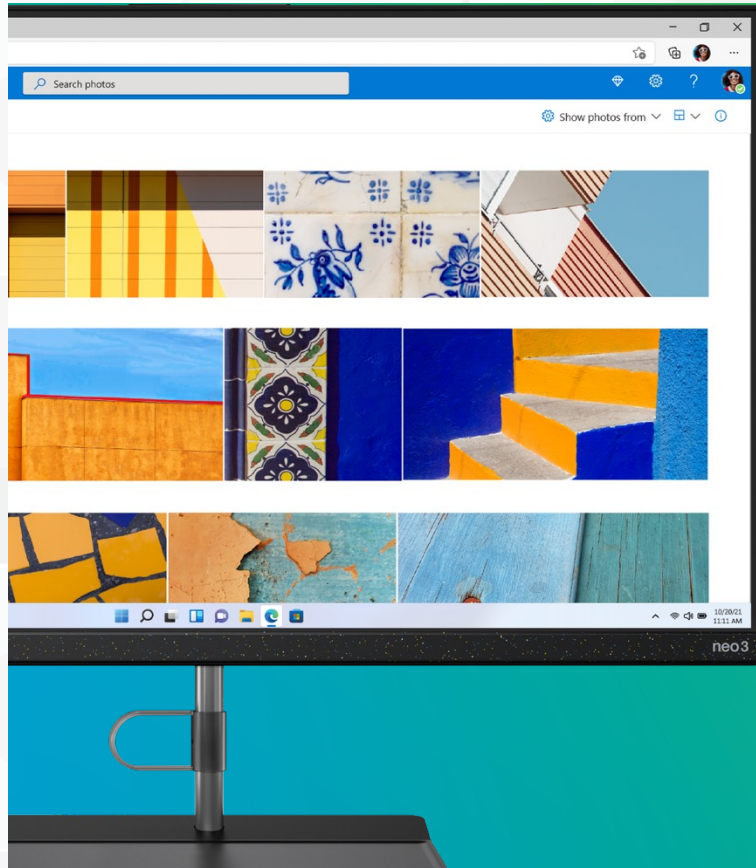


12th Gen Intel® Core™ i9 processor



Practical applications in the modern workplaces

ThinkCentre neo 30a



Who is it for

New Workplace Professionals: Extreme multitaskers (ThinkCentre neo 30a 24, ThinkCentre neo 30a 27)
Knowledge workers (ThinkCentre neo 30a 22)

User scenario

- Users can now look forward to attending stress-free video calls. Lenovo Smart Appearance (Lenovo View) enhances camera effects and blurs the background, allowing users to communicate with confidence
- Smart Voice eliminates background noise so users can stay focused and hold efficient meetings
- All modern employees multitask. They can quickly access, share, and edit files across two systems with Smart Cable.¹ This plug-and-play cable lets them instantly transfer pictures and videos, store, and share screens between two computing devices

Job relevance

ThinkCentre neo 30a 27: Business intelligence, business vertical apps, all Office apps

ThinkCentre neo 30a 24: Business intelligence, business vertical apps, all Office apps

ThinkCentre neo 30a 22: Business vertical apps, Office, Outlook, Teams, Zoom, IM, browsers



Intel® Core™ i7 processor

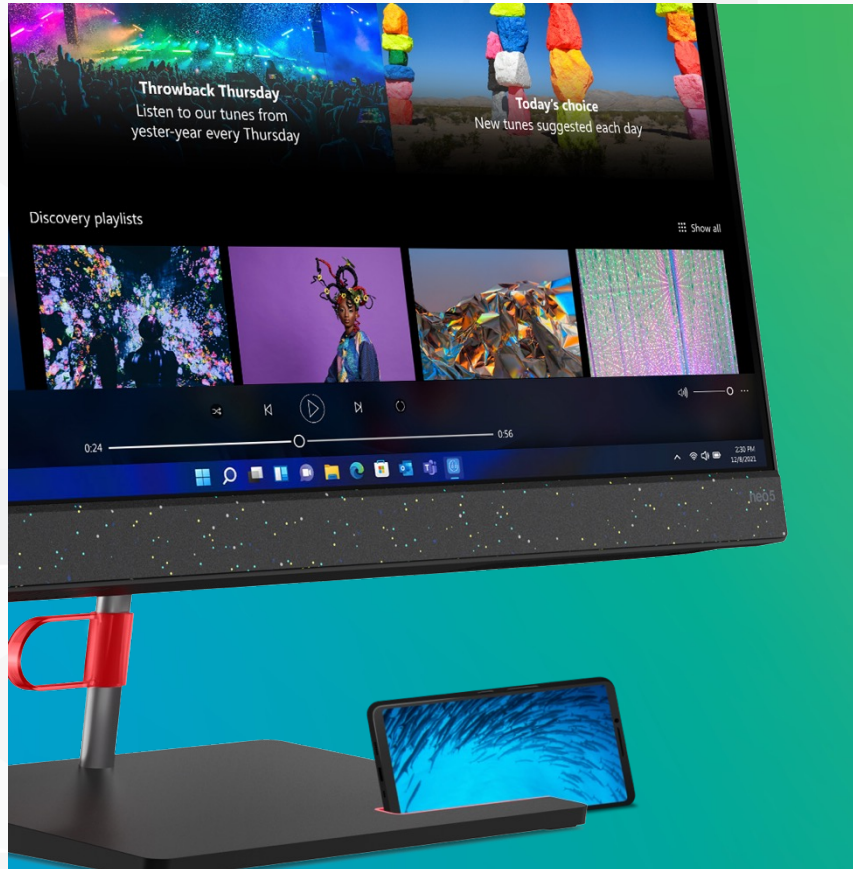


ThinkCentre NEO

¹Optional

Practical applications in the modern workplaces

ThinkCentre neo 50a



Who is it for

New workplace professional: Business manager, Design professionals, Multi-taskers

User scenario

- The power of 12th Gen Intel® Core™ i processors, paired with state-of-the-art Intel® Arc™ graphics, eases the burden of content creation and extensive data-related tasks – a boon for the modern workplace.
- The AI Chip Camera enhances device security and the user experience, adding a new dimension to work. The smart camera features also face ID login, anti-peeping privacy, auto-dim, and wake-up functions for user convenience and security
- The Smart Cable¹ allows for enhanced sharing experiences – for quicker data transfer and connecting to multiple devices or monitors simultaneously. Its fast transfer speeds enable drag-and-drop functionality, even for the heaviest files

Job relevance

ThinkCentre neo 50a 24: Operational and visual computing tasks - Image, media, data analysis, processing, and editing; visual analytics and reporting; decision sciences



ThinkCentre NEO

¹Optional

Intel® Core™ i7 processor with Intel® Arc™ graphics

Innovations for a highly productive workday



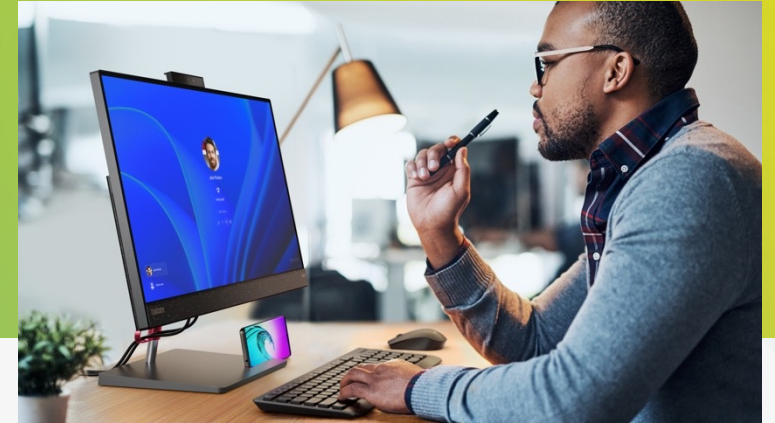
Smart Cable

Users can work across multiple devices simultaneously by tethering together with a single cable, allowing screen-sharing, quicker data transfers, and more, greatly simplifying collaboration.



Smart Storage

Securely store files on the cloud for easy pan-organizational access. Your files are securely stored and readily available from anywhere in the world for more seamless collaboration between remote teams. Smart Storage also keeps your data accessible in case of severe crashes or data breaches.

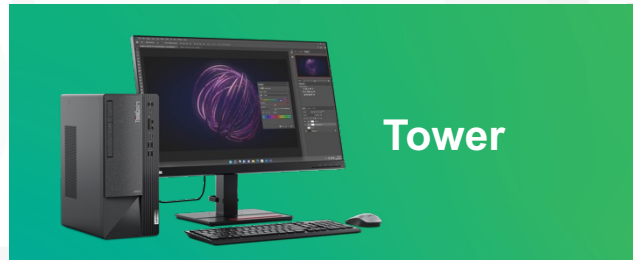


Smart Camera

Expand your camera utility beyond online meetings. Presence detection logs you in using face detection, dims your screen when you look away and lock it when you are away. The IR Camera prevents over-the-shoulder peeping.

Portfolio snapshot

ThinkCentre neo desktop: **There is one for everyone**



Tower

ThinkCentre neo 70t

ADL-S | 17L

Highly responsive performance to take on complex digital workloads

ThinkCentre neo 50t

ADL-S | 13.6L

Engineered for productivity combining low noise and energy efficiency



Small Form Factor

ThinkCentre neo 50s

ADL-S | 7.4L

Optimized workspace with adaptive power management and space savings



All-in-One

ThinkCentre neo 30a

ADL-P/P28 | 23.8"/21.5"/27"

Enhanced collaboration with intuitive AI-based virtual meeting experience

ThinkCentre neo 50a

ADL-P H45 | 23.8"

High performance, immersive display, and intuitive experiences Small Form Factor

Smarter
technology
for all

Lenovo

thanks.