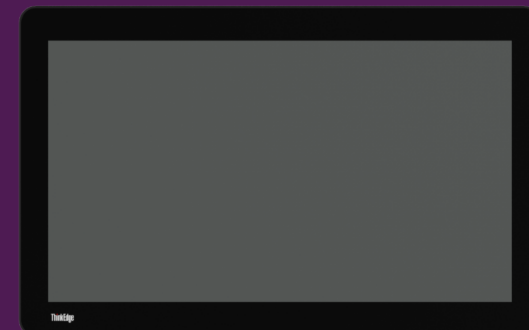


ThinkEdge SE50a-21 Gen1

The Lenovo ThinkEdge is designed to provide reliable computing performance for edge environments, enabling local data processing and faster insights for operational workloads. Powered by Intel® Core™ 7 Processor (Series 1), the device is ideal for smart manufacturing, visual inspection, automotive, and smart retail environments, with up to 96 Execution Units (EUs) for powerful and secure real-time inference. Compared to the previous generation, it supports up to 32GB DDR5-5600 memory, providing higher bandwidth and improved responsiveness for demanding edge applications.



Empowering the modern workforce with a streamlined desktop experience

Lenovo's range of globally certified ThinkEdge® PCs gives modern businesses greater power in a smaller footprint, so reliable processing power can be discreetly tucked away at the edge of the business, ready for action.

Designed for modern business professionals, the 21.5" display offers stunning FHD resolution with 250 nits of brightness, ensuring crisp visuals in any work environment. The responsive multi-touch interface enhances productivity, while the anti-fingerprint and anti-glare surface keeps the display clean and comfortable for extended use.

The I/O connectivity options include 4×USB-A and 1×USB-C® rear ports to support essential peripherals and evolving workplace needs. The lockable M12 connector ensures reliable, uninterrupted performance, while versatile installation options such as VESA mount, wall mount bracket, monitor stand, or 21" panel mount allow effortless setup across offices, meeting rooms, and collaborative workspaces.

With an integrated computer, motherboard, and monitor in one device, the ThinkEdge saves critical space in cramped control cabinets, on crowded production lines, and within dense retail or healthcare settings.

Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



Accessories

ThinkCentre Tiny Sandwich Kit II

- Compact mechanical bracket to mount your ThinkCentre Tiny PC between the monitor and ThinkCentre Extend Arm
- Built from high-grade steel and comes with screws for easy assembly
- Convenient access to various ports and control buttons of the Tiny PC



PN: 4XH0N04098

ThinkCentre Nano VESA Mount

- Attach ThinkCentre Nano to any VESA compatible device such as a display
- Also supports mounting on a wall, ceiling or under a desk
- Dimensions: 150mm (5.9") x 150mm (5.9") x 13mm (0.5")



PN: 4XF0V81630

ThinkEdge SE50a-21 Gen1



Performance

Processor Intel Core 5 / 7 Processor (Series 1)
Operating System* Windows 11 IoT Enterprise LTSC 2024 Ubuntu Linux No preload operating system
Graphics Intel Graphics (integrated)
Chipset Intel SoC (System on Chip) platform
Memory Up to 32GB DDR5-5600, 1x SODIMM
Storage Up to two drives, 1x M.2 SATA SSD + 1x M.2 SSD · M.2 2280 SSD up to 2TB · M.2 2242 SATA SSD up to 1TB
Audio* High Definition (HD) Audio Single speaker, 1W x1
Power Supply* 150W 89% (150W, for operating temperature 0~40°C 120W, for operating temperature 0~50°C)

Design

Display 21.5" FHD (1920x1680) 250 nits anti-fingerprint, anti-glare 16:9, touch
Dimensions 538.05 × 341.05 × 64.0 mm (21.18 x 13.43 × 2.52 inches)
Weight Around 7.4 kg (16.31 lbs)

Connectivity

Ethernet* 2x 2.5GbE, 2x RJ-45
WLAN + Bluetooth* 802.11 ax 2x2 (Wi-Fi 6E), Bluetooth 5.3

Rear ports 1x USB-A (Hi-Speed USB / USB 2.0) 3x USB-A (USB 5Gbps / USB 3.2 Gen 1) 1x USB-C (USB 10Gbps / 3.2 Gen 2) with Display Port 1.4 1x 12-24V DC-in1x Serial (RS232 / RS422 / RS485, BIOS auto select) 2x Isolated RS-232 IET module* 1x 12-bit GPIO + 1x 2-pin CAN bus IET module* 4x USB-A (5Gbps / USB 3.2 Gen 1) IET module*
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Security & Privacy

Security Discrete TPM 2.0

Lenovo services

Base Warranty Up to 3-year limited onsite service

Certifications

Green Certifications ErP Lot 6/26 RoHS compliant
Other Certifications MIL-STD-810H

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2026 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.