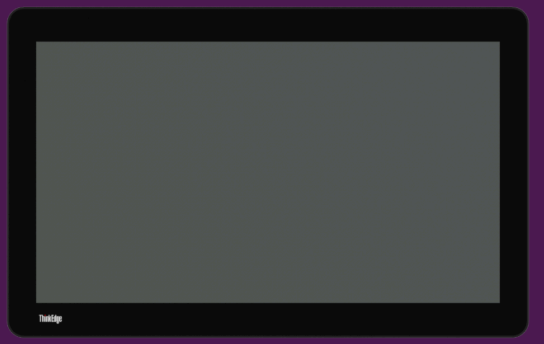


ThinkEdge SE50a-21 Gen1

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.

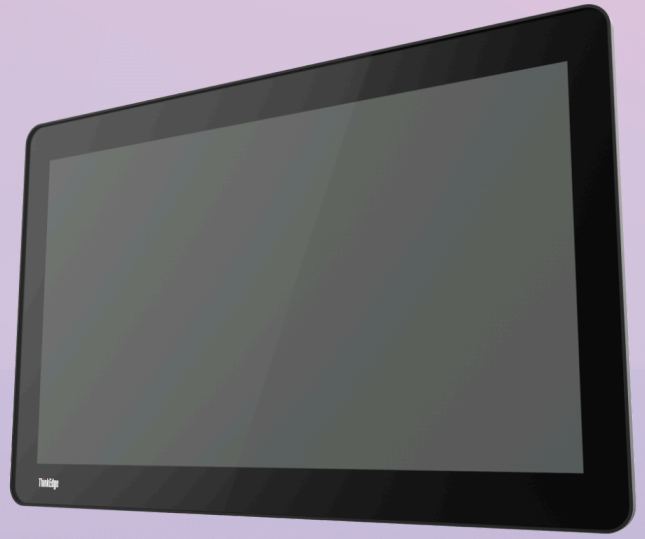
The I/O connectivity options include 4×USB-A and 1×USB-C® rear ports to support essential peripherals and evolving workplace needs. The lockable M12 connector ensures reliable, uninterrupted performance, while versatile installation options such as VESA mount, wall mount bracket, monitor stand, or 21"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

Updated 2025-10-28

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 (Desktop) 24.04 LTS 64 Bit (kernel 6.17)
IGEL Linux OS12
No preload operating system

Graphics
Intel Graphics (integrated)

Chipset
Intel SoC (System on Chip) platform

Memory
Up to 32GB DDR5-5200, 1x SODIMM

Storage
Up to two drives, 1x M.2 SATA SSD + 1x M.2 SSD
• M.2 2280 SSD up to 1TB
• M.2 2242 SATA SSD up to 1TB

Audio*
High Definition (HD) Audio
Integrated Speakers, 2W x2

Power Supply*
150W 89% (150W, for operating temperature 0~40°C. 120W, for operating temperature 0~50°C)
170W 90% (170W, for operating temperature 0~35°C. 120W, for operating temperature 0~50°C)

Design

Display
21.5" FHD (1920x1080) 250 nits anti-fingerprint, 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)
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*

Security & Privacy

Security
Discrete TPM 2.0

Lenovo services

Base Warranty
Up to 3-year limited onsite service

Certifications

Green Certifications
GREENGUARD
REACH
RoHS compliant
TED (The ECO-declaration)
WEEE

Other Certifications
AWS IoT Greengrass Certified
IGEL Certified
Red Hat Enterprise Linux Certified
Ubuntu Core Certified
Ubuntu Server Certified
MIL-STD-810H military test passed
EMC: EMC CE / FCC Class A, FCC for USA, CE for Europe, IC for Canada, RCM for Australia / New Zealand, VCCI for Japan, BSMI for Taiwan, KCC for Korea
Safety: CB for WW, NRTL (ETL, cETL) for USA / Canada, EAC for Kazakhstan/Armenia/Kyrgyzstan, Ukrsepro for Ukraine, KUCAS for Kuwait, KVALITET for Serbia, NOM-019 for Mexico, SABS for South Africa
RF: CE for Europe, SRRC for China, SUBTEL for Chile, UKCA for United Kingdom, WPC for India, NTC for Philippines, SDPPI for Indonesia, SIRIM for Malaysia, ANRT for Morocco, NOM-208 for Mexico

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