

ThinkEdge SE100

Compact and Secure with Rugged Reliability

Powerful AI with an affordable Edge

The SE100, powered by Intel® Core™ Ultra processor, is designed to excel at providing AI and edge computing applications, these processors feature improved performance core, efficiency cores, integrated graphic processing units (GPUs) and neural processing units (NPUs) for AI acceleration.

The SE100 is designed with GPU-ready for AI workloads in mind. With the capability to support discrete GPUs, it is a solid landing spot for video analytics, object detection, or real-time inferencing.

The SE100 is optimized to manage and orchestrate Edge applications, allowing for greater flexibility and efficiency in handling complex cloud to edge deployments.

Easy + Secure Deployment for All Environments

Lenovo's dedication to security begins with our purposeful design process and continues all the way through our supply chain, on through delivery, and the entire system lifecycle.

The Lenovo ThinkEdge SE100 is reimagining the shape, size, and functionality of Edge server to better meet user needs and integrate seamlessly into daily use. It can be hung on a wall, ceiling, stand alone on a desk, or mounted in a rack.



This rugged Edge server can handle temperatures from 5 to 45°C as well as tolerance to locations with high-dust and vibration.

The SE100 is designed to work with Lenovo ThinkShield security, with cybersecurity capabilities including key-encrypted storage and secured bios, and physical security features such as intrusion protection and Kensington lock.

The SE100 delivers high performance while minimizing power usage with under 140W. This balance allows for powerful AI workloads, accelerated computing, and advanced graphics, all while being energy efficient. This efficiency translates into cost savings and a reduced environmental impact, making it an excellent choice for businesses a to maximize performance without excessive power consumption.

Flexible, Streamlined, Remote Manageability

Sending IT staff to remote locations is costly, time consuming, and increases your carbon footprint.

The SE100 solves these challenges with an enterprise-grade embedded management engine, the XClarity Controller. It also supports XClarity Administrator, which enables IT managers to efficiently maintain server, storage, and networking infrastructure and accelerate services provisioning.

Lenovo

Specifications

Form Factor	Base node: Height: 53mm, Width: 142mm, Depth: 278mm, 2.1L With Expansion Kit: Height: 53mm, Width: 214mm, Depth: 278mm, 3.1L
Processor	Intel® Arrow Lake-H Intel® Core™ Ultra 7 processor 255H: 6P+8E+2LP-E Intel® Core™ Ultra 5 processor 225H: 4P+8E+2LP-E
Memory	Up to 64GB in 2x slots, using 32GB CSODIMMs; Up to 6400MHz DDR5
Storage Options	<ul style="list-style-type: none"> • 1x M.2 2280 boot drives, Max to 960G • Up to 2x M.2 using NVMe data storage drives. Max to 3.84TB • SED, high capacity, and high endurance drive options • Optional encryption key deletion on tamper or theft detection
RAID Support	N/A
Mounting Options	<ul style="list-style-type: none"> • Single node mounting options for desktop, VESA, DIN • 1U 2N or 1U 3N rackmount
Power	<ul style="list-style-type: none"> • Dual-redundant external power supplies 140W for stand alone • 1U2N, 1U3N in 1U enclosure with 300W power adapter
Network Interfaces (Wired)	<ul style="list-style-type: none"> • 2x 1GbE • 1GbE RJ45 management port
Network Interfaces (Wireless)	<ul style="list-style-type: none"> • N/A
Accelerators and PCIe Expansion	<ul style="list-style-type: none"> • 1x PCIe G4 x8 HHHH (75W) • Support for NVIDIA 2000E, NVIDIA A1000
Front I/O	<ul style="list-style-type: none"> • 2x USB 3.2 Gen2 (Type-A) • 1x USB 3.2 Gen2 (Type-C, with XCC display), 1x USB 3.2 Gen2 (type-C, with XCC display) • 2x HDMI 2.0 • 1x RJ45 for RS232 serial COM
Rear I/O	<ul style="list-style-type: none"> • 1x Type-C (Power), with locking screw • 1x Type-C (Power, BMC USB 2.0), support power redundancy with locking screw • 2x USB 3.2 Gen2 Type-A • 2x 1GbE+ 1x GbE management
Systems Management	Lenovo XClarity Administrator
Environmental	<ul style="list-style-type: none"> • Extended operating temperature of 5 to 45°C • Satisfy 15G shock & 0.15 Grms vibration, IEC 60068 • IP50 dust protection; noise level: 35 dBA (base node) • MERV4 with expansion kit
Security	<ul style="list-style-type: none"> • Security 2.0 with ThinkShield Key Vault or XCC management • Optional Key Vault SED encrypted storage for boot and data drives • Lenovo Trusted Supplier Program, Secure boot, and Smart USB Protections • NIST SP800-193 compliance using hardware Root of Trust and Platform Firmware Resilience • TPM 2.0 • Intrusion tamper protection • Optional Kensington keyed lock compatible chassis • Type-C Locking screw
Operating Systems	Microsoft Windows11 Enterprise, Ubuntu 24.04, RHEL.X*. Visit lenovopress.lenovo.com/osig for details.
Limited Warranty	3-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

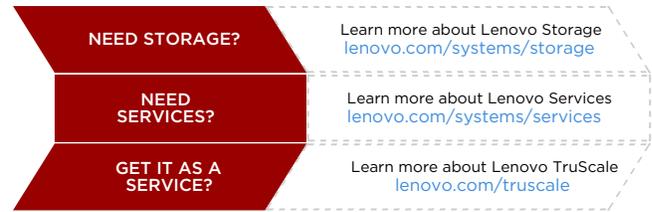
*Launch schedule work in process

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

For More Information

To learn more about the ThinkEdge SE100, contact your Lenovo representative or Business Partner, or visit lenovo.com/systems/servers. For more details consult the [SE100 Product Guide](#).



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