

ThinkSystem SE350

features and specifications

Product features, technical specifications

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Lenovo

Features

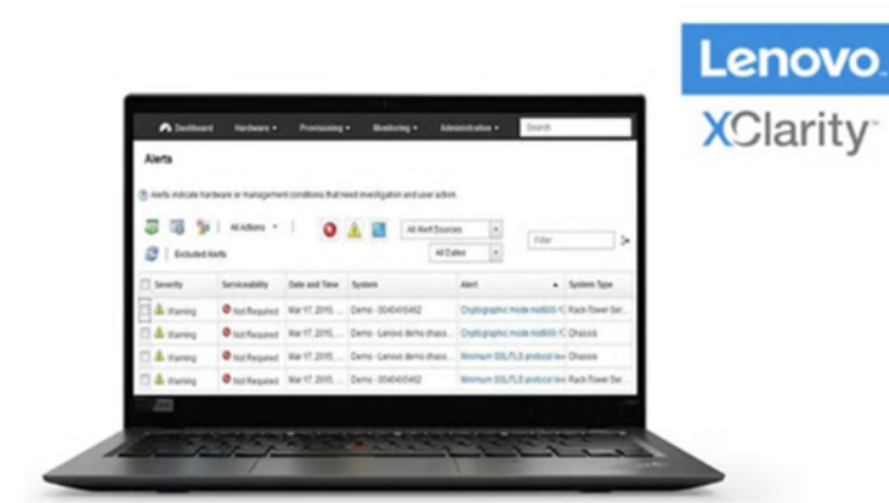
The ThinkSystem SE350 is a purpose-built server designed for the unique requirements of edge computing.

- Its small form factor allows it to fit into locations that a normal data center server can't.
 - Height: 1.66 inches (42.1 mm)
 - Width: 8.22 inches (209 mm)
 - Depth: 14.8 inches (376.3 mm)
 - From metal bezel to rear wall
- It is designed to work in harsh, non-data center environments, and it supports:
 - Operating temperature: 0 to 55°C
 - Storage temperature: -30 to 60°C
 - Operating humidity: Up to 95%
- Environmental tests for shocks and vibration
 - Operating Shock: IEC 60068-2-27, 30 G half sine, 11 ms duration, SATA only
 - Operating Vibration: IEC 60068-2-64, 3 Grms random 5-500 Hz 1 hr / axis, SATA only



Features – continued

- A highly secure solution
 - The ThinkSystem SE350 includes both cybersecurity features and physical tamper-resistance features.
 - If someone tries to open the server, the storage encryption keys will be disabled, so no one can access data without authorization.
- Multiple connectivity options
 - Wired
 - 10/100 MB/1 GbE, 1 GbE SFP, 10GBASE-T, and 10 GbE SFP+
 - Wireless
 - Wi-Fi
 - LTE
- Easy to manage
 - The SE350 is managed through Lenovo's XClarity. Users have access to all the same features and benefits available on other ThinkSystem servers



Specifications

Scroll down for more information.

Model	ThinkSystem SE350 edge server
Machine type	7D1X (Three years warranty), 7Z46 (one year warranty), 7D27 (Three years warranty, India only)
Form factor	1U, half width, 42.1 mm H x 209 mm W x 376.3 mm D, 4 kg (8.81 lbs)
Mounting	• Floor stand, DIN rail, or wall mount • Standard rack enclosure (1U2N, 2U2N)
Power options	• Dual-redundant external power supplies 110-240 V ac • Single dc supply : -48 V input
Processor	One Intel Xeon-D2100 processor integrated to the system board, support 4, 8, and 16 core. Not replaceable.
Memory	• Four channels per CPU • Four DIMM slots, with installation sequence 1, 4, 2, 3 • One DIMM per channel • Up to 256 GB, four 64 GB LRDIMM • Memory Type: • PC4-21300 (single-rank, dual-rank), 2666 MT/s, error correcting code (ECC), double-data-rate 4 (DDR4) registered DIMM (RDIMM) • PC4-21300 (quad-rank), 2666 MT/s, error correcting code (ECC), double-data-rate 4 (DDR4)

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Model	ThinkSystem SE350 edge server
	• PC4-21300 (quad-rank), 2666 MT/s, error correcting code (ECC), double-data-rate 4 (DDR4) load reduced DIMM (LRDIMM)
Boot drive (M.2 boot adapter)	Supports up to two identical M.2 SATA drives (RAID) Supports three different physical sizes of M.2 drives: • 42 mm (2242) • 60 mm (2260) • 80 mm (2280)
Storage (M.2 data adapter)	PCIe and M.2 riser assembly: • Supports up to four M.2 SATA/NVMe drives • M.2 riser assembly: • Supports up to eight M.2 NVMe drives • Supports up to four NVMe and four SATA drives • Supports four different physical sizes of M.2 drives: • 42 mm (2242) • 60 mm (2260) • 80 mm (2280) • 110 mm (22110)

Specifications

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	• Note: • M.2 drives installed on boot adapter and on data adapter are not swappable. • M.2 connector type: socket 3 (M key)
Storage controller	Standard Intel SATA software RAID, RSTe, supports RAID levels 0, 1, 5, and 10.
Networking	WLAN: • WLAN: IEEE IEEE 802.11 a/b/g/n/ac • MIMO: 2x2 MIMO • Interfaces: WLAN: PCIe x1 • Antenna configuration: 2xIPEX (MHF4) connector • Form factor: M.2 2230 • LTE: • 3GPP Release 11 • Category: Cat9 • Region: Global • Operating mode: FDD/TDD • Data transmission: 450 Mbps DL/50 Mbps UL • Function interface: USB 3.0

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Model	ThinkSystem SE350 edge server
GPU adapter	ThinkSystem NVIDIA Tesla T4 16 GB PCIe Passive GPU Note: Only work with the CPUs lower than 80 W
Power distribution module (PDM)	• 12 V power distribution module (PDM) with two power connectors • -48 V power distribution module (PDM) with one power connector
System management	• XClarity Administrator with mobile option • XClarity Energy & Provisioning Manager • XClarity Essentials
Operating systems	• Ubuntu 16.04, 18.04 • Windows Server 2016, 2019 • RHEL 7.6, 8.0 • SLES 15.1 • VMware vSphere/vSan
Security	• TPM 2.0 • SED, Encryption key locking on tamper/theft detection • Locking bezel; Locking top cover; LTE & WiFi Security