4U Server with Dual Intel® Xeon® 6 Processors and 8 x NVIDIA RTX PRO™ 6000 SE

SR810-8

Senao SR810-8 is a 4U rackmount GPU server powered by dual Intel® Xeon® 6 (6500/6700 series) processors. Purpose-built for enterprise large language model (LLM) inference, and high-performance computing (HPC), it supports 8 x NVIDIA RTX PRO™ 6000 SE GPU cards, an ideal platform for enterprise AI node. Featuring 32 x DDR5 RDIMM slots, standard DC-SCM 2.1 management, and 3+1 redundant 3200W Titanium CRPS power supplies.

GPUs

8 x NVIDIA RTX PRO™ 6000 SE

Inference— FP16:up to 225B/ FP8:upto 449B / NVFP4: up to 899B
Fine-Tuning — LoRA: up to 230B / QLoRA: up to 576B / Full-Param: up to 38B

Performance

Dual Xeon®6

Dual Intel® Xeon® 6 processors (6500/6700 Series)

Memory

16 channels DDR5

Up to 32 x DDR5 RDIMM slots.

Networking

OCP 3.0 slots

2 x PCIe OCP3.0 Gen5 x 8.

Storage

NVMe Hot-Swap Bays

8 x 2.5-inch NVMe hot-swappable drive bays with Intel® VROC premium support.
4 x E1.S NVMe hot-swap drive (Optional)

Management

Modular DC-SCM

Rear DC-SCM module with dedicated MGMT and Console ports.

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Redundant Power

3+1 redundant 3200W CRPS
Designed for 80 PLUS Titanium Efficiency

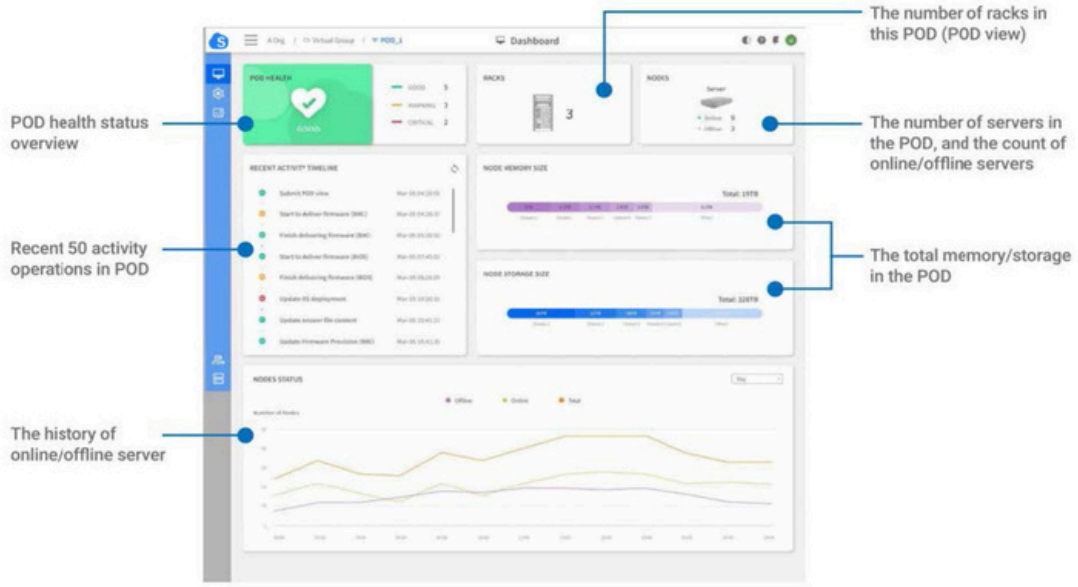
Security

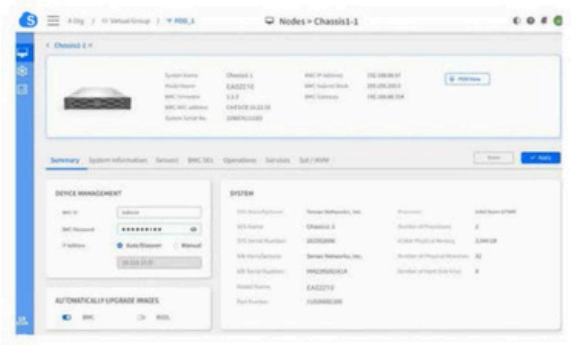
Enterprise Platform Security

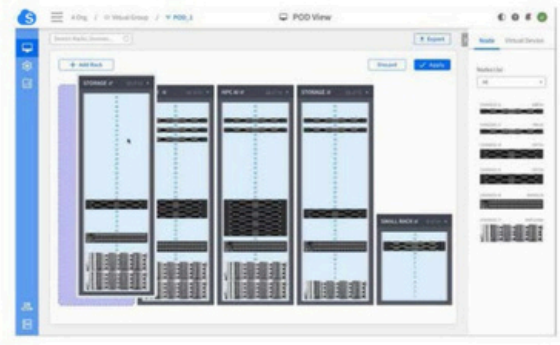
TPM2.0, PFR2.0,and chassis intrusion detection to protect platform integrity.

Server Centralized Management

The server management is the cornerstone of simplified, efficient management tool for your Senao GPU and Rack servers. This powerful, license-free platform provides comprehensive out-of-band management capabilities, empowering IT teams with unparalleled control and visibility over their entire server fleet from a single interface.







Simplified Firmware Updates

Push unified firmware updates to multiple servers simultaneously, ensuring consistency and reducing maintenance overhead.

Visual POD View

Gain a physical-to-logical view of server groupings with intuitive POD visualization, enabling more efficient resource mapping, configuration, and infrastructure monitoring.

Out-of-Band Control

Manage servers even if the operating system is unresponsive or powered off, ensuring continuous uptime and remote troubleshooting.

Remote Diagnostics & Troubleshooting

Gain real-time insights into server health, performance metrics, and system logs, enabling proactive issue identification and rapid resolution from anywhere.

Unified Device Management

Centralized control over all Senao servers, eliminating the need for individual server access.

Scalable Deployment

Designed to manage a growing number of servers, providing seamless scalability as your data center expands.

Technical Specifications

GPU Server	
Model Name	4U GPU Server
Model Number	SR810-8
Form Factor	4U Rackmount
Processor	Intel® Xeon® 6 (6500/6700 Series)
GPU	8 x NVIDIA RTX PRO™ 6000 SE
Memory	32 x DIMM slots DDR5 ECC RDIMM 6400 MT/s 1DPC 5200 MT/s 2DPC
Drive Bays	8 x 2.5-inch NVMe hot-swap drive 4 x E1.S NVMe hot-swap drive (Optional) Intel® VROC Premium
System Cooling	Air Cooling
Available Expansion Slot	2 x OCP3.0 Gen5 x 8
I/O Port	Front: 2 x USB3.0 Type A Rear: (DC-SCM Module) 1 x USB3.0 Type A 1 x Mini Display 1 x USB Type A Console 1 x MGNT RJ45
Power Supply	3+1 CRPS 3200W 80 PLUS Titanium Level
Security	TPM 2.0 PFR 2.0 Intrusion Detection
Chassis	438 x 743 x 176 mm
Environment	Operating Temperature: 10–35°C Storage Temperature: -20–60°C Relative Humidity: 10–90% RH, non-condensing

Technical Specifications

GPU Server	
Model Name	4U GPU Server
Model Number	SR810-8
System Management	IPMI 2.0 Management Redfish Management HTTPS Web Management IPv4/ IPv6 Address Dashboard Hardware Sensor Monitor KVM console Serial over LAN Virtual Media Firmware Upgrade(BMC/BIOS) Event Log & Alert (SMTP/ SNMP/Syslog) LDAP/ Windows AD/ Radius User Account Management System Firewall (IP Access Control) Hardware Root of trust (RoT) Backup & Restore Configuration Protocol support: SNMP, SMTP, DHCP, NTP, DNS, Dynamic DNS Intel Platform Feature: Platform Firmware Resilience (PFR), Autonomous Crash Dump (ACD)
Central Management	Server Management

High-Performance AI & Graphics Acceleration

GPU Support: 8 x NVIDIA RTX PRO™ 6000 SE

LLM Workload Capacity:
Inference — FP16: up to 225B / FP8: up to 449B / NVFP4: up to 899B
Fine-Tuning — LoRA: up to 230B / QLoRA: up to 576B / Full-Param: up to 38B

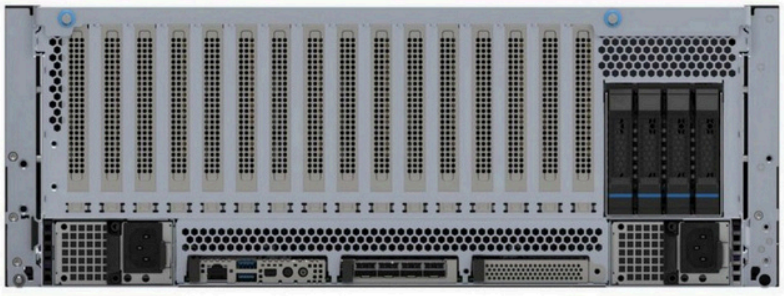
Target Workloads:

Enterprise AI Platform Node
Runs an organization's entire production AI stack — a 220B-class model at FP16, a 450B-class MoE at FP8, or a 670B frontier model at NVFP4 — with routing, embedding, vision, and code models resident at company-wide concurrency. Also supports QLoRA fine-tuning on proprietary data with nothing leaving the organization. Sized so new applications are added over the years, not swapped in and out.

System Memory Size: 1.5 TB

Hardware Overview

SR810-8 (4U GPU Server)



Product specifications, configurations, certifications, and availability are subject to change without notice and may vary by region and customer program. Final commitments are governed by the applicable quotation, statement of work, or executed agreement.