1U Edge GPU Server with Intel® Xeon® 6 SoC and 1 x NVIDIA RTX PRO™ 4500 SE

SE210-1

Senao SE210-1 is a high-performance 1U rackmount edge server powered by the latest Intel® Xeon® 6 SoC (Granite Rapids D) processor. Designed for intensive edge computing, virtualized network functions (VNF), and high-throughput communication infrastructure, it features 240 Gbps connectivity with 8 x 25G SFP28 and 4 x 10G Base-T ports. With 1 x NVIDIA RTX PRO™ 4500 SE support, SE210-1 provides lightweight AI computing at the edge.

Processor

Xeon® 6 SoC

Intel® Xeon® 6 SoC (Granite Rapids D) processor with up to 38 cores for demanding edge services

GPU

1 x NVIDIA RTX PRO™ 4500 SE

Inference — FP16: up to 9B / FP8: up to 19B / NVFP4: up to 37B
Fine-Tuning — LoRA: up to 10B / QLoRA: up to 24B / Full-Param: up to 2B

Memory

DDR5 RDIMM

8 x DDR5 RDIMM slots

Storage

NVMe SSD

2 x 2.5-inch U.2 NVMe bays, 2 x M.2 NVMe slots

Connectivity

240 Gbps Aggregate

8 x 25G SFP28 and 4 x 10G Base-T ports

Security

Hardware Root of Trust

TPM 2.0, PFR 2.0, and chassis intrusion detection protect firmware and hardware

Reliability

Redundant Slim Power Supply

1+1 1100W 80 PLUS Platinum slim power supplies ensure continuous operation

Cooling

Smart Fan

7 x smart cooling fans and 1U chassis

Technical Specifications

GPU Server	
Model Name	1U Edge GPU Server
Model Number	SE210-1
Form Factor	1U Rackmount
Processor	Intel® Xeon® 6 SoC (Granite Rapids D) 6513P-B (20C, 2.0 GHz) 6553P-B (36C, 2.6 GHz) 6563P-B (38C, 2.4 GHz)
GPU	1 x NVIDIA RTX PRO™ 4500 SE
Memory	8 x DDR5 ECC RDIMM
Drive Bays	2 x 2.5-inch U.2 NVMe Gen4 hot-swap drive bays 2 x M.2 2280 (Gen4 or Gen5) + optional 2 x U.2
System Cooling	Air Cooling (7 x Smart Fans)
Expansion Slot	1 x PCIe Gen5 x 8 FHFL (Default)
I/O Port	8 x 25G SFP28 + 4 x 10GbE 1 x RJ45 MGMT 1 x RJ45 Console 1 x USB3.0 Type A 1 x Reset Button 1 x Power Button
Power Supply	1+1 1100W AC Slim Power Supply, 80 PLUS Platinum
Security and Management	TPM 2.0 PFR 2.0 Intrusion Detection (Open Chassis Cover)
Dimensions (W x D x H)	438 x 430 x 44 mm

High-Performance AI & Graphics Acceleration

GPU Support: 1 x NVIDIA RTX PRO™ 4500 SE

LLM Workload Capacity:
Inference — FP16: up to 9B / FP8: up to 19B / NVFP4: up to 37B
Fine-Tuning — LoRA: up to 10B / QLoRA: up to 24B / Full-Param: up to 2B

Target Workloads:

AI-Powered Next-Generation Firewall (AI NGFW)
An on-premises inference firewall with the GPU built into the appliance. Runs an 8B-class model at FP16, or a 14B-class model at FP8, with small embedding and classifier models resident alongside. Handles alert triage and summarization, phishing and BEC intent analysis, obfuscated-script deobfuscation, semantic DLP, and natural-language-to-policy authoring. All inference stays inside the appliance — traffic, logs and file contents never leave the box, meeting data-sovereignty.

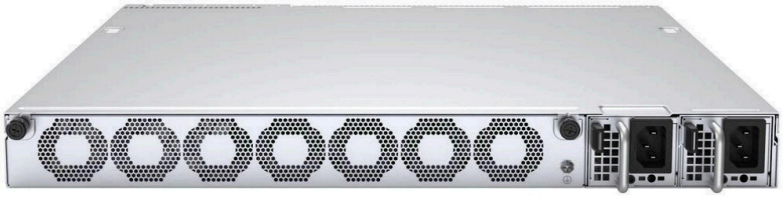
System Memory Size: 64 GB

Hardware Overview

SE210-1 (1U Edge GPU Server)

Front View

Rear View



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.