



# SuperX AI Server

XN8250

Cutting-Edge Powerhouse

SuperX Industries PTE. LTD.

## 1. Introduction



XN8250

The SuperX AI Server XN8250 is a cutting-edge 8U AI server powered by the NVIDIA HGX H200 module and based on the Intel® Eagle Stream platform with 4th Gen Xeon® Scalable processors. It is engineered for the demanding AI training and inference workloads in both cloud datacenters and enterprise IT.

**Applications:** Hyperscale AI Training, LLM Inference, Scientific Computing.

## 2. Highlights

### **Performance Architecture**

- Based on Intel® Xeon® 5th Scalable Processors, up to 350W TDP
- 32 DIMM slots support RDIMM up to 5600MT/s
- Support NVIDIA HGX H200 air cooling

### **Flexible Configuration**

- CPU to Switch flexible link band width (X16 or X32)
- Support full high and half high NIC card

### **For New Data Center**

- Support front IO access N+N PSU Redundant
- High-efficiency thermal solution for power save
- High-efficiency DC/DC solution

### 3. Technical Specifications

Parameter	Description
CPU	2 x Intel® Xeon® Platinum 8558 Processor 48 C, 2.1GHz, 330W
GPU	8 x NVIDIA HGX H200
Memory	32 x 64G DDR5 RDIMM 5600MT
Storage	4 x 3.84TB U.2 Nvme SSD
	2 x 960G 2.5inch SATA SSD
	1 onboard M.2 SSD (from PCH)
PCIe Extension	Up to 8 X16 PCIe Slot (from PE switch)
	2 X16 PCIe Slot. (from CPU)
Enclosure Management	BMC:AST2600, 1 RJ45 Gigabit management network port
Front IO	2x USB, Type-A   1x PWR BTN with LED   1x UID BTN with LED   1x Status LED   1x Console PORT, Type C  1x Front VGA
Cooling	15 x 8086 FANs, N+1 Redundant
Operation Temperature	5°C – 35°C
Dimension	448mm(H) *352mm(W) *900mm(L)
PSU	2* 185mm Redundant 2700W HVDC/AC Input, 12V Output PSUs
	6* 185mm Redundant 3200W HVDC/AC Input, 54V Output PSUs
NIC	CX7,MCX75310AAS-NEAT IB 400G single OSFP(without optical module)
	BCM957608-P2200G dual port 200G-QSFP56(without optical module)
	BCM957412A4120AC dual port 10G SFP+ (without optical module)

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