

G893-SG1-AAX1

HPC/AI Server - 5th/4th Gen Intel® Xeon® Scalable -
8U DP Intel® Gaudi® 3



Key Features

- Intel® Gaudi® 3 AI Accelerators
- 6 x 800 Gb/s OSFP with RDMA (RoCE v2) 24 x 200 Gb/s Ethernet for accelerator scale-out
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen3 x2 and x1 interface
- 8 x 2.5" Gen5 NVMe/SATA hot-swap bays
- 4 x FHHL dual-slot PCIe Gen5 x16 slots
- 8 x FHHL single-slot PCIe Gen5 x16 slots
- 5+5 3000W 80 PLUS Titanium redundant power supplies



Specification

Dimensions	8U (W447 x H351 x D923 mm)	RAID	Intel® SATA RAID 0/1/10/5
Motherboard	MSB3-PE0	Modular GPU	Intel® Gaudi® 3 AI accelerators - 8 x HL-325L OAM mezzanine cards - 1 x HLB-325 baseboard
CPU	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 350W	PCIe Expansion Slots	4 x FHHL dual-slot PCIe Gen5 x16 8 x FHHL single-slot PCIe Gen5 x16
OS Compatibility	OS Support List	I/O Ports	Front: 6 x OSFP, 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) Rear: 1 x MLAN
Socket	2 x LGA 4677 (Socket E)	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
Chipset	Intel® C741	Power Supply	5+5 3000W 80 PLUS Titanium redundant power supplies AC Input: 115-240V *The system power supply requires C19 power cord.
Memory	8-Channel DDR5 RDIMM, 32 x DIMMs [5th Gen Intel Xeon] Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) [4th Gen Intel Xeon] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) [Intel Xeon Max Series] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)	System Fans	Motherboard: 2 x 60x60x56mm 4 x 60x60x76mm PCIe slots: 4 x 80x80x56mm GPU tray: 16 x 80x80x80mm
LAN	Front: 6 x 800 Gb/s OSFP with RDMA (RoCE v2) 24 x 200 Gb/s Ethernet, for accelerator scale-out 2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN Rear: 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x G893-SG1-AAX1 2 x CPU heatsinks 6 x Carriers 1 x L-shape Rail kit
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x2 1 x M.2 (2280/22110), PCIe Gen3 x1	Ordering Part Numbers	6NG893SG1DR000ABX1*



Learn more at: <https://www.gigabyte.com/Enterprise>
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