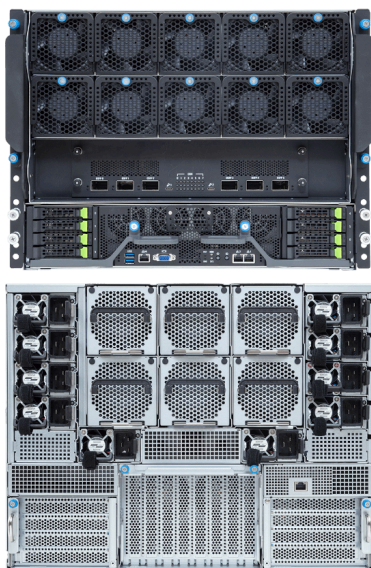


# G894-SG1-AAX1

HPC/AI Server - Intel® Xeon® 6700/6500 - 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 Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 32 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 PCIe Gen5 x4 and x2
- 8 x 2.5" Gen5 NVMe hot-swap bays
- 4 x FHHL dual-slot PCIe Gen5 x16
- 8 x FHHL single-slot PCIe Gen5 x16
- 5+5 3000 W 80 PLUS Titanium redundant power supplies

## Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server...

## Specification

<b>Dimensions</b>	8U (W447 x H351 x D923 mm)	<b>Modular GPU</b>	Intel® Gaudi® 3 AI accelerators - 8 x HL-325L OAM mezzanine cards - 1 x HLB-325 baseboard
<b>Motherboard</b>	MSB4-PE0	<b>PCIe Expansion Slots</b>	4 x FHHL dual-slot PCIe Gen5 x16 8 x FHHL single-slot PCIe Gen5 x16
<b>CPU</b>	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350 W	<b>I/O Ports</b>	<b>Front:</b> 6 x OSFP, 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN (default) <b>Rear:</b> 1 x MLAN
<b>OS Compatibility</b>	<a href="#">OS Support List</a>	<b>TPM</b>	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
<b>Socket</b>	2 x LGA 4710	<b>Power Supply</b>	5+5 3000 W 80 PLUS Titanium redundant power supplies AC Input: 115-240 V  *The system power supply requires C19 power cord.
<b>Chipset</b>	System on Chip	<b>System Fans</b>	Motherboard: 2 x 60x60x56mm 4 x 60x60x76mm PCIe slots: 4 x 80x80x56mm GPU tray: 16 x 80x80x80mm
<b>Memory</b>	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s  <sup>[1]</sup> MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.	<b>Operating Properties</b>	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
<b>LAN</b>	<b>Front:</b> 6 x 800 Gb/s OSFP with RDMA (RoCE v2) 24 x 200 Gb/s Ethernet, for accelerator scale-out 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN <b>Rear:</b> 1 x 10/100/1000 Mb/s Management LAN	<b>Packaging Content</b>	1 x G894-SG1-AAX1 2 x CPU heatsinks 4 x Carriers 1 x L-shape Rail kit
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x VGA port	<b>Ordering Part Numbers</b>	6NG894SG1DR000AAX1*
<b>Storage</b>	<b>Front hot-swap:</b> 8 x 2.5" Gen5 NVMe <b>Internal M.2:</b> 1 x M.2 (2280/22110), PCIe Gen5 x4 1 x M.2 (2280/22110), PCIe Gen5 x2		



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

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