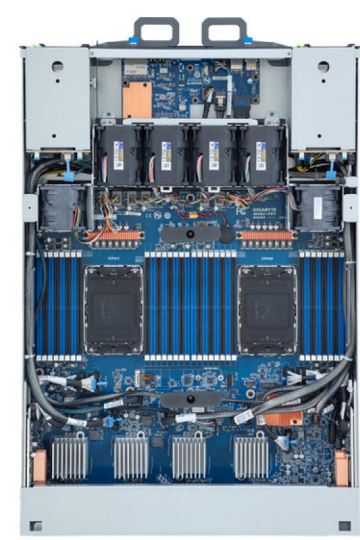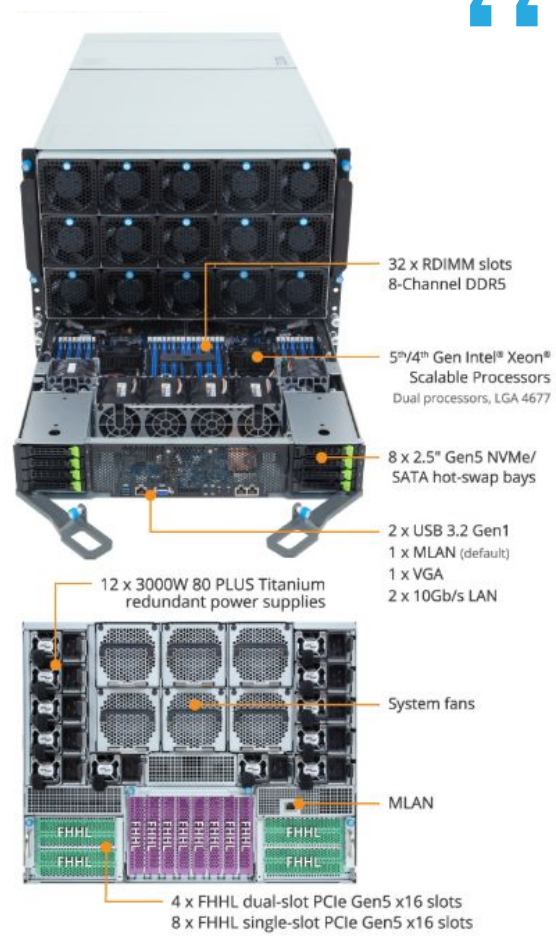# HS
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GX5 | G893-SD1-AAX5

Let Hyperscalers meet your bespoke requirements!

Start customizing your GX5 | G893-SD1-AAX5 today!

- ✓ NVIDIA HGX™ B200 8-GPU
- ✓ 1,800GB/s GPU-to-GPU bandwidth with NVIDIA® NVLink™ and NVSwitch™
- ✓ Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- ✓ Dual Intel® Xeon® CPU Max Series
- ✓ 8-Channel DDR5 RDIMM, 32 x DIMMs
- ✓ Dual ROM Architecture
- ✓ Compatible with NVIDIA® BlueField®-3 DPUs and ConnectX®-7 NICs
- ✓ 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
- ✓ 12 x 3000W 80 PLUS Titanium redundant power supplies

About Hyperscalers

- **World's First Open OEM**
- **Free Of Propritery Software Lock-Ins**
- **Free Of Propritery Hardware Lock-Ins**

US Stock	Full US Warranty
100% Channel Distributor	Metro Dilivery 1-4 Days

Callouts:
- 32 x RDIMM slots 8-Channel DDR5
- 5th/4th Gen Intel® Xeon® Scalable Processors Dual processors, LGA 4677
- 8 x 2.5" Gen5 NVMe/ SATA hot-swap bays
- 2 x USB 3.2 Gen1
- 1 x MLAN (default)
- 1 x VGA
- 2 x 10Gb/s LAN
- 12 x 3000W 80 PLUS Titanium redundant power supplies
- System fans
- MLAN
- 4 x FHHL dual-slot PCIe Gen5 x16 slots
- 8 x FHHL single-slot PCIe Gen5 x16 slots

NVIDIA | intel Xeon PLATINUM | PCI EXPRESS 5.0

HPC/AI Server - 5th/4th Gen Intel® Xeon® Scalable - 8U DP NVIDIA HGX™ B200 8-GPU

- **8-GPU platform** for generative AI, HPC, and data analytics.
- **Blackwell Tensor Core GPUs** with 1.4 TB memory & 64 TB/s bandwidth.
- **15× faster** AI inference; **12× lower cost & energy.**
- **Advanced networking** up to 400 Gb/s.
- **BlueField-3 DPU**s for cloud networking, storage, security, and GPU elasticity.

Reliable, Efficient, and Secure Design

- **Power Efficiency**: Auto fan control for optimal cooling.
- **High Availability:** SmaRT for power loss; dual ROM for backup boot.
- **Security:** Optional TPM 2.0 for hardware-based protection.
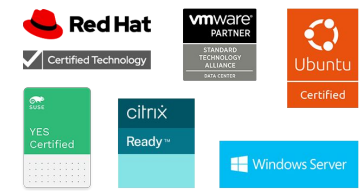- **User-Friendly:** Tool-less drive bays.

Red Hat Certified Technology | vmware PARTNER STANDARD TECHNOLOGY ALLIANCE DATA CENTER | Ubuntu Certified | SUSE YES Certified | citrix Ready™ | Windows Server

GX5 | G893-SD1-AAX5 Specifications

Processor	**Processor Type:** 5th Gen Intel® Xeon® Scalable Processors 4th Gen Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series **Motherboard:** MSB3-PE0 **Max. TDP Support:** 350W **Number of Processors:** 2 Processors **Internal Interconnect:** 16 GT/s **L3 Cache:** Up to 112.5MB
Form Factor	8U
Dimensions	**W x H x D (mm):** 447 x 351 x 923
Socket	2 x LGA 4677 Socket E
Chipset	Intel® C741 Series
Storage	**Front hot-swap:** 8 x 2.5" Gen5 NVMe/SATA (NVMe from PEX89104) **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen3 x2, from PCH 1 x M.2 (2280/22110), PCIe Gen3 x1, from PCH **SAS:** N/A **RAID:** Intel® SATA RAID 0/1/10/5
Memory	**Total Slots:** 32 x DIMM slots **Memory Type:** DDR5 memory supported (8-Channel memory per processor) **Speed:** 5th Gen Xeon: RDIMM: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) 4th Gen Xeon: RDIMM: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) Xeon Max Series: RDIMM: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)
GPU	Modular GPU: NVIDIA HGX™ B200 with 8 x SXM GPUs
Expansion Slot	**PCIe Bridge Board - CBG76:** - 8 x FHHL x16 (Gen5 x16), from PEX89104 **PCIe Bridge Board - CPBG045 x 2:** - 4 x FHHL x16 (Gen5 x16), from PEX89048
Front I/O	Front (I/O board - CFPG540): I/O board - CFPG540: 2 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 2 x RJ45 ports 1 x MLAN port (default) 1 x Power button with LED 1 x ID button with LED 1 x NMI button 1 x Reset button 1 x Storage activity LED 1 x System status LED

Backplane Board	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s
Power Supply	12 x 3000W 80 PLUS Titanium redundant power supplies AC Input: - 115-127V~/ 14.2A, 50-60Hz - 200-220V~/ 15.8A, 50-60Hz - 220-240V~/ 14.9A, 50-60Hz DC Input: (Only for China) - 240Vdc/ 14A DC Output: - Max 1450W/ 115-127V~ +54V/ 26.6A, +12Vsb/ 3A - Max 2900W/ 200-220V~ +54V/ 53.4A, +12Vsb/ 3A - Max 3002.4W/ 220-240V~ or 240V dc Input +54V/ 55.6A, +12Vsb/ 3A
Onboard Storage	(2) 2280 PCIe M.2 for Booting OS
Fan	Motherboard: 2 x 60x60x56mm (24,600rpm) 4 x 60x60x76mm (21,800rpm) PCIe slots: 4 x 80x80x56mm (15,500rpm) GPU tray: 15 x 80x80x80mm (16,400rpm)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Rear I/O	MLAN board - CDB66: 1 x MLAN port
Operating Environment	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
TPM	Security Modules: 1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010

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About Hyperscalers

Hyperscalers is the world's first open Original Equipment Manufacturer offering proprietary-free alterative to traditional Tier 1 OEM vendors.

Hereto to solve Information technology's complexity, Hyperscalers developed the IP Appliance Design Process. Which is basically a process along with a utility, being the Appliance Optimizer Utility, which together, assists service providers 'productize' delivery of their Digital-IP.

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10 of 65 Tennant Street Fyshwick
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