



ServMax DGS-628LC



NVIDIA HGX H100
8-GPU Server

NVIDIA HGX 6RU SERVER

Data Center Liquid Cooling

Designed for the highest computational demands today, AMAX liquid cooling solutions bring flexibility, eco-friendly design, and maximum performance to the data centers of tomorrow.

NVIDIA HGX 8-GPU Server

Integrating an NVIDIA HGX™ baseboard with NVIDIA H100/H200/B100 Tensor Core GPUs, the server brings the full power of accelerated NVIDIA GPUs, liquid cooling technology, and high-speed PCIe Gens connectivity to bring breakthrough performance for next gen AI.

KEY APPLICATIONS

- Generative AI
- Large Language Models (LLMs)
- Machine Learning
- High Performance Computing

DISAGGREGATED APPROACH

Three-layer sled design for easy maintenance, the server supports NVIDIA® HGX™ H100/H200/B100 GPU accelerators. CPU options include Intel® Sapphire Rapids/Emerald Rapids/Granite Rapids-SP/Sierra Forest-SP and AMD® Genoa/Turin to fulfill various usage scenarios.



AMAX COOLING // DATASHEET

SPECIFICATIONS

Feature	
Supported GPU	NVIDIA® HGX™ H100/H200/B100 8-GPU with SXM5/6 Baseboard CPU-GPU Interconnect: 8x PCIe Gens x16 GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
Expansion Slots	Up to 13 PCIe Slots+2 OCP3.0 SFF Slots: - 8x PCIe Gens x16 HHHL Slots - Sx PCIe Gens x16 FHHL Slots - 2x OCP3.0 SFF Slots
Storage	Up to 16× 2.5” Hot-swap NVMe U.2 (PCIe SW) 8× 2.5” SAS/SATA (Optional by SAS Raid Card)
Front Panel	2x USB2.0 Type A 1x System Power Button 1x System Identify LED/Button
Form Factor	6RU Rackmount
Chassis Dimensions (H x W x D)	W x D x H: 17.6” (447mm) x 31.5” (800mm) x 10.4” (265mm)
Power Supply	6× 3000W @54V PSUs (4+2 Redundant) 2× 2400W CRPS @12V (1+ 1 Redundant)
Cooling Solution	Liquid Cooling Solution

DISCOVER AMAX
LIQUID COOLING
SOLUTIONS AND
TRANSFORM YOUR
DATA CENTER



Rack-Integrated Liquid Cooling Solution

The 6RU server incorporates liquid cooling technology to provide high-performance computing capabilities that generative AI and HPC demand while minimizing energy consumption for a reduced environmental footprint and lower carbon emissions.

AMAX engineers solutions to meet the rigorous demands of AI and HPC workloads. With a focus on advanced cooling technologies, AMAX delivers servers optimized for peak performance and designed to operate efficiently, further reducing operational costs and sustainability objectives.

