GB6181

Unrivaled HGX H100 8-GPU AI Server to Deliver Highest AI Performance

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Integrating a NVIDIA HGX baseboard with 8 H100 GPUs, the AI server brings together the full power of accelerated NVIDIA GPUs, liquid cooling technology, and high-speed PCIe Gen5 connectivity to bring breakthrough performance for the next generation of AI-enabled applications.

Innovative Disaggregated Approach

The AI server can be directly connected to one CPU head node server to integrate as a unified AI solution. This disaggregated GPU and CPU approach increases the flexibility of choosing different CPU head node server of your own, and each CPU and GPU component can be scaled independently as demand grows.

Integrated Liquid Cooling Solution

The 6U server, compliant with OCP standards, integrates 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.

Application

- Generative AI
- Large Language Model (LLM)
- AI and Machine Learning
- High Performance Computing

NVIDIA HGX™ H100 SXM 8-GPU

32 x U.2 NVMe Drive Bays

Up to 20 PCIe 5.0 x16 Slots

Liquid Cooling Solution

6 OU Rackmount

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Specifications

Management
1 x ASPEED AST2600

Power Supply
Centralized 48V Bus Bar with PDB

Fans
16 x 60*56mm for N+1 Cooling Redundancy

Cooling Solution
Liquid Cooling Solution

Certification
CE/FCC/RCM/BSMI/UL/IECEE CB

Supported GPU
NVIDIA HGX™ H100 SXM 8-GPU

Expansion Slots
20 x PCIe 5.0 x16 Slots

Storage
32 x Hot-swap U.2 NVMe Drive Bays

Front Panel
1 x Power LED, 1 x UID LED, 1 x Attention LED,
1 x RJ45 for BMC Dedicated Management
2 x RJ45 for 1GbE Ethernet

Form Factor
6 OU Rackmount
(3 OU IOB Sled with 3 OU GPU Sled)

Chassis Dimensions (H x W x D)
11.1" x 21.0" x 34.1" /
283.1mm x 535.0mm x 867.5mm

Operating Temperature
10°C to 35°C (50°F to 95°F)

Non-operating Temperature
-40°C to 60°C (-40°F to 140°F)

Operating Relative Humidity
8% to 85%RH

Non-operating Relative Humidity
5% to 95%RH