

GB8011

GPU-optimized Box to Tackle
Increasingly Complex AI Challenges



A Powerful, Accelerated GPU Box

The GPU platform packs 16 high-performing computing engines, NVIDIA GPUs, all connected via NVLink 3.0 technology, into one powerful GPU box. This delivers unparalleled AI acceleration, and achieves extremely fast GPU-to-GPU interconnects than traditional PCIe-based solution.

Application

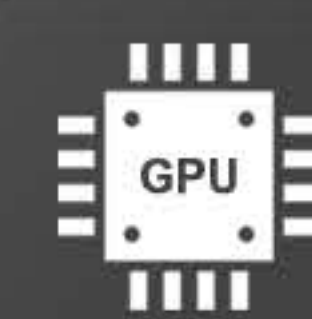
- Hexagon icon: Hyperscale Data Center
- Hexagon icon: High Performance Computing
- Hexagon icon: AI and Machine Learning

Innovative Disaggregated Approach

The GPU box can be directly connected to one or two CPU head node server(s) to integrate as a unified AI solution. This disaggregated GPU and CPU approach increases the flexibility of choosing different CPU head node servers of your own to satisfy specific workloads, and each CPU and GPU component can be scaled independently as demand grows.

Optimal Networking Performance

The PCIe Gen4-enabled GPU accelerator supports up to 16 high-bandwidth network interface cards, which allows for high-speed data movement without bottleneck and achieves faster and better time to results for business insight.



Up to 16 GPUs



AI/HPC Applications



Up to 16 PCIe
Gen4 x16 Cards



4+4 Redundancy,
Titanium Efficiency



8U Rackmount

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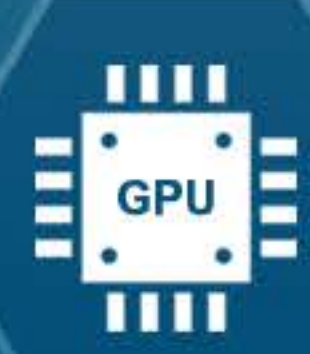
Specifications



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Supported GPU

16 x Nvidia SXM4 A100



Expansion Slots

16 x PCIe Gen4 x16 Slots
(8 x PCIe Slots per 3U GPU Sled)



Storage

8 x U.2 NVMe SSDs
(4 x U.2 NVMe SSDs per 3U GPU Sled)



Front Panel

3U GPU Sled

1 x Power LED, 1 x UID LED, 1 x Attention LED,
4 x zCD Connectors

2U Power Shelf

1 x Power LED, 1 x UID LED, 1 x Attention LED,
1 x RJ45 port for 1GbE Ethernet



Form Factor

8U Rackmount
(2 x 3U GPU Sled with 2U Power Shelf)



Chassis Dimensions (H x W x D)

13.8" x 17.5" x 37.3" /
352.5mm x 447.0mm x 948.1mm



AC Input

180Vac ~ 264Vac,
50-60Hz



Management

1 x ASPEED AST2520



PSUs

4+4 Redundant 3000W Power Supplies
(Titanium Efficiency)



Fans

24 x 60*56mm for N+1 Cooling
Redundancy



Certification

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



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



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