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AI-Optimized GPU Server Powered by
AMD Instinct™ MI300X Platform



AI-Optimized GPU Server

Well-suited to fuel generative AI and HPC workloads, the accelerated 10U system leverages the power of 8 MI300X GPU modules, fully connected with AMD Infinity Fabric™ links on an industry-standard single baseboard. With up to a staggering 1.5TB of HBM3 capacity for low-latency AI processing and Ingrasys common chassis design, Ingrasys provides a time-to-market solution for customers to seamlessly integrate into their existing AI rack and server infrastructure.

Application

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

Innovative Disaggregated Approach

The AI server can be paired with a single CPU head node server, creating a unified AI solution. This disaggregated GPU and CPU approach enhances flexibility, enabling you to select the CPU head node server that best suits your needs.

(Ingrasys head node solution: SV2121A/SV2121I)

High Expansion Capability

Adopting a one-GPU-to-one-NIC topology, the powerful server offers high expansion capability by accommodating 8 NICs, which enables fast interconnections between GPUs within a GPU cluster. Its two-layer design features easy scalability up to 32 NVMe drives and enhances thermal efficiency, delivering unprecedented performance and agility.



8 x AMD Instinct™
MI300X Accelerators



32 x U.2 NVMe
Drive Bays



Up to 20 PCIe 5.0
x16 Slots



5+5 Redundancy,
Platinum Level



10U Rackmount

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Specifications



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Supported GPU

8 x AMD Instinct™ MI300X Accelerators
on a Universal Baseboard



Expansion Slots

20 x PCIe 5.0 x16 FHHL 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 1GbE/RJ45 Management Port
1 x RJ45 Console Port



Form Factor

10U Rackmount
(4U IOB Sled with 4U GPU Sled)



Chassis Dimensions (H x W x D)

17.3" x 20.0" x 37.3" /
440.5mm x 508.0mm x 948.8mm



Management

1 x ASPEED AST2600



Power Supply

5+5 Redundant 3000W Platinum Power
Supplies



Fans

24 x 80*80mm 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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