GPU A+ Server AS -2114GT-DNR

2U 2-Node System with UP AMD and Up to 3 GPUs per Node

More details here

Key Applications

AI Inference and Machine Learning, Media/Video Streaming, Cloud Gaming, Industrial Automation, Healthcare,

Key Features

- Two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;
- Single AMD EPYC™ 7003/7002 Series Processor
  (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer);
- 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs;
- Up to 6 PCIe 4.0 x16 (4 internal + 2 external) slots, 1 PCIe 4.0 x8 AIOM slot
  M.2 Interface: 2 PCIe 4.0 x4
  M.2 Form Factor: 2280, 22110
  M.2 Key: M-key;
- 2 Front hot-swap 2.5" PCIe 4.0 NVMe drive bays;



Form Factor	2U Rackmount Enclosure: 447 x 88 x 760mm (17.6" x 3.47" x 29.9") Package: 600 x 240 x 1100mm (23.62" x 9.44" x 43.3")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors
GPU	Max GPU Count: Up to 2 double-width or 4 single-width GPUs Supported GPU: NVIDIA PCIe: A10, A100, A16, A2, A40, L40, RTX A4000, RTX A4500, RTX A6000 AMD PCIe: Instinct™ MI100, Instinct™ MI210
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 front hot-swap 2.5" NVMe drive bays
Expansion Slots	Default • 4 PCIe 4.0 x16 INTERNAL slots • 1 PCIe 4.0 x16 FHHL slot • 1 PCIe 4.0 x16 FHFL slot • 1 PCIe 4.0 x8 AIOM slot (OCP 3.0 compatible)
On-Board Devices	SATA: SATA (6Gbps) Network Connectivity: Ethernet InfiniBand IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports (rear) Video: 1 VGA port (Rear) TPM: 1 TPM header

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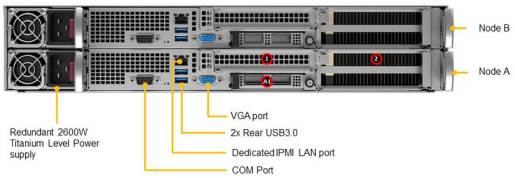
(Front View – System)



Slot	Description
0 ~ 1	2x Hot-swap PCI-E Gen4 x4 U.2 NVMe Drive Bays

(Rear View – System)



	Slot Name	Slot Description
1		PCI-E 4.0 x16 FHHL
2		PCI-E 4.0 x16 FHFL
A1	AIOM/ OCP3.0	PCI-E 4.0 x8

*Full redundancy based on configuration and application load.

System Cooling	Fans: Up to 4 Hot-swap heavy duty PWM 80mm Fan(s)
Power Supply	2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash ROM
Management	Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog
PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory Fan: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 60 lbs (27.21 kg) Net Weight: 55 lbs (24.94 kg) Available Color: Black Front & Silver Body
Operating Environment	RoHS Compliant 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 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	**A+ Motherboard® H12SSG-AN6**
Chassis	**CSE-227GTS-R2K63P**

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