

GPU A+ Server AS -2114GT-DPNR

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

Key Applications

AI Inference and Machine Learning, Media/Video Streaming, Industrial Automation, GPU Virtualization (VDI),

Key Features

- Two **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series Processor, up to 64 Cores;
- 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs;
- 2 PCIe 4.0 x16 external slots + 1 PCIe 4.0 x8 AIOM slot (or optional x16 AIOM with additional parts);



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 ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 2 bays • 2 front hot-swap 2.5" NVMe drive bays
Expansion Slots	Default • 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) Option A* • 1 PCIe 4.0 x16 FHHL slot • 1 PCIe 4.0 x16 FHFL slot • 1 PCIe 4.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	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) Serial: 1 COM port TPM: 1 TPM header

(Front View – System)



Slot	Description
0 - 4	2x Hot-swap PCIe Gen4 x4 U.2 NVMe Drive Bays

System Cooling

Fans: N/A

Power Supply

2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies

System BIOS

BIOS Type: AMI 256MB 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
[Super H12SSG-ANP6](#)
Chassis
CSE-227GTS-R2K63P