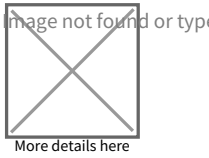# GPU A+ Server AS -4124GS-TNR+

DP AMD, Dual-Root System with 8 GPUs

More details here
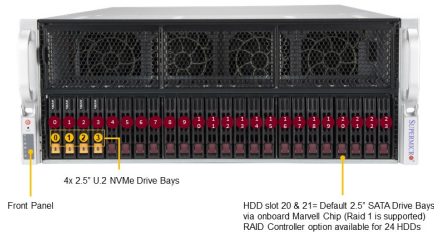
Key Applications

HPC, AI / Deep Learning, 3D Graphics / Workstation, 3D Rendering Farm, Oil & Gas, Scientific Research,
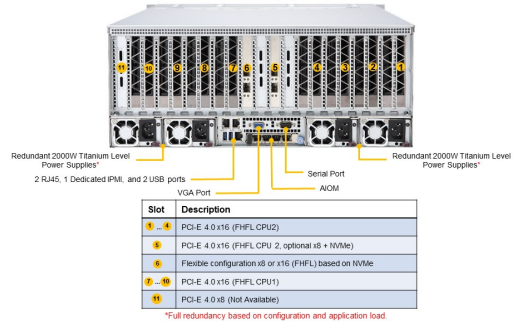
Key Features

Form Factor	4U Rackmount Enclosure: 437 x 178 x 737mm (17.2" x 7" x 29") Package: 685 x 675 x 1041mm (27" x 26.57" x 41")
Processor	Dual Socket SP3 AMD EPYC™ 7002/7003 Series Processors
GPU	Max GPU Count: Up to 8 double-width or 8 single-width GPUs Supported GPU: NVIDIA PCIe: H100, A100, A2, A16, A30, A40, L40S, A10, RTX 6000, RTX 6000 Ada Generation, RTX A4500, RTX A6000, T4, V100, L40, RTX 4000 AMD PCIe: Instinct MI150
System Memory	Slot Count: 32 DIMM slots
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 1GbE

(Front View – System)

4x 2.5" U.2 NVMe Drive Bays

Front Panel

HDD slot 20 & 21= Default 2.5" SATA Drive Bays
via onboard Marvell Chip (Raid 1 is supported)
RAID Controller option available for 24 HDDs

(Rear View – System)

Redundant 2000W Titanium Level
Power Supplies*

2 RJ45, 1 Dedicated IPMI, and 2 USB ports

VGA Port

Serial Port

AIOM

Redundant 2000W Titanium Level
Power Supplies*

Slot	Description
1 ... 4	PCI-E 4.0 x16 (FHFL CPU2)
5	PCI-E 4.0 x16 (FHFL CPU 2, optional x8 + NVMe)
6	Flexible configuration x8 or x16 (FHFL) based on NVMe
7 ...10	PCI-E 4.0 x16 (FHFL CPU1)
11	PCI-E 4.0 x8 (Not Available)

*Full redundancy based on configuration and application load.

System Cooling	Fans: N/A

Power Supply	1x 2000W Redundant power supply

Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!

Dimensions and Weight	Weight: Gross Weight: 100 lbs (45.3 kg) Net Weight: 65.5 lbs (29.7 kg) Available Color: Black

Operating Environment	Operating Temperature: °C ~ °C (°F ~ °F) Non-operating Temperature: °C to °C (°F to °F) Operating Relative Humidity: % to % () Non-operating Relative Humidity: % to % ()

Motherboard	**Super H12DSG-O-CPU**

Chassis	**CSE-418GTS-R4016BP**