

GPU A+ Server AS -2145GH-TNMR-LCC

2U Liquid Cooled System with Quad AMD Instinct™ MI300A Accelerators (onsite service OSNBD is required)



More details here

Key Applications

Artificial Intelligence (AI), Large Language Model (LLM), Cloud Solution Provider (CSP), High Performance Computing (HPC), Research Lab,

Key Features

- Quad AMD Instinct™ MI300A processors;
- Onboard 512GB HBM3 unified memory;
- Optional PCIe configurations up to 6 PCIe x16 FHHL slots;
- Flexible networking options with 1 AIOM networking slots (OCP NIC 3.0 compatible);
- Default 8 2.5" NVMe drive bays or Optional 8 2.5" SAS3/SATA3 drive bays via storage add-on card
- 2 Internal NVMe/SATA M.2 slots;
- 3 heavy duty fans w/ Liquid Cooled;
- 4x 2700W redundant Titanium level power supplies;



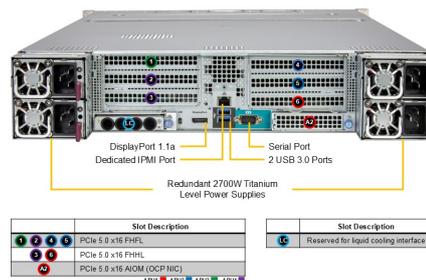
Form Factor	2U Rackmount Enclosure: 438.4 x 88 x 848.7mm (17.3" x 3.5" x 33.4") Package: 701 x 293 x 1183mm (27.6" x 11.53" x 46.57")
Processor	Quad Socket SH5 AMD Instinct™ MI300A Accelerated Processing Units (APUs)
GPU	4 onboard GPUs
System Memory	Slot Count: Onboard Memory Max Memory: Up to 512GB ECC HBM3
Drive Bays Configuration	Default: Total 8 bays <ul style="list-style-type: none"> • 8 front fixed 2.5" NVMe drive bays Option A: Total 8 bays <ul style="list-style-type: none"> • 8 front fixed 2.5" SAS*/SATA* drive bays (*SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 NVMe slots (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 FHFL slots Option A* <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 FHFL slots • 2 PCIe 5.0 x16 FHHL slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)
On-Board Devices	Chipset: AMD SH5 Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 2 USB 2.0 ports(front) Video: 1 VGA port 1 DisplayPort port Serial: 1 COM port(rear)

(Front View – System)



*USB ports under handle cover

(Rear View – System)



System Cooling	Fans: Up to 3 Heavy duty counter-rotating 8cm Fan(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	4x 2700W Redundant (3 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 4+1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Weight: Gross Weight: 101.1 lbs (45.86 kg) Net Weight: 78 lbs (35.38 kg) Available Color: Silver
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 H13QSH
Chassis	CSE-218H2TS+-R5K4AWP