GPU SuperServer AS -2127G7-R2B-ALC

DP AMD 2U Liquid-Cooled System with NVIDIA HGX Rubin NVL8 8-GPU (complete rack and onsite service are required)

More details here

Key Applications

Engineering/scientific research, AI/Deep Learning Training, Industrial Automation, Healthcare, Conversational AI, Business Intelligence & Analytics, Drug Discovery, Climate and Weather Modeling, Finance & Economics, High Performance Computing (HPC),

Key Features

- Dual Socket AMD EPYC™ 9006 SP7 Series Processors up to 512 cores with Liquid Cooling;
- 8x NVIDIA HGX Rubin NVL8 SXM8 GPUs;
- Supports up to 32 DDR5 RDIMMs;
- 8 OSFP 800GbE + 1 RJ45 1GbE;
- 1 PCIe 6.0 x16 FHFL slot for BlueField-4 North-South networking;
- 8 Hot-swap E1.S NVMe storage drive bays and 2 M.2 NVMe boot drives;



Form Factor	2U Rackmount Enclosure: 449.6 x 87 x 792.7mm (17.7" x 3.425" x 31.2") Package: 730 x 325 x 1280mm (28.74" x 12.79" x 50.39")
Processor	Dual processor(s) AMD EPYC™ 9006 SP7 Series Processors Up to 512C/1024T
GPU	Max GPU Count: 8 onboard GPUs Supported GPU: NVIDIA SXM: NVIDIA HGX™ Rubin NVL8 CPU-GPU Interconnect: PCIe 6.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: NVIDIA® NVLink™ with NVSwitch™
System Memory	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 8TB 8000MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap E1.S PCIe 6.0 NVMe drive bays M.2: 2 M.2 NVMe slots (M-key 2280)
Expansion Slots	Default • 1 PCIe 6.0 x16 FHFL slot
On-Board Devices	8 OSFP 800GbE with NVIDIA ConnectX®-9 1 RJ45 1GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port (via DC-SCM) 1 RJ45 1 GbE LAN port (via DC-SCM) USB: 1 USB 3.0 Type-A port (Front) (via DC-SCM) Video: 1 Mini-DP port (via DC-SCM) TPM: 1 TPM Onboard/port 80

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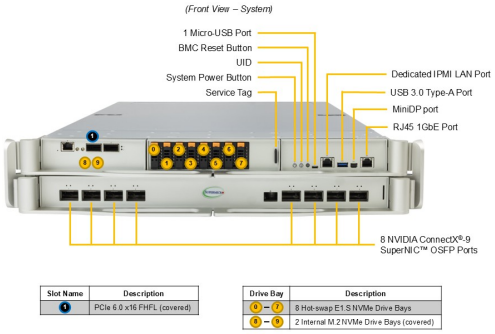
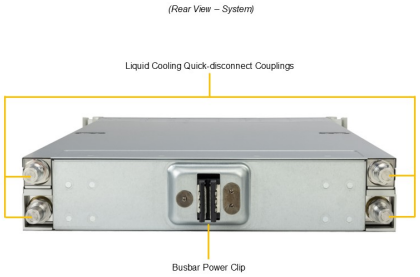


Slot Name	Description
1	PCIe 6.0 x16 FHFL (covered)

Drive Bay	Description
0 – 7	8 Hot-swap E1.S NVMe Drive Bays
8 – 9	2 Internal M.2 NVMe Drive Bays (covered)



System Cooling	Fans: N/A Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	Power via Busbar (48-54V DC)
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
Management	SuperCloud Composer® (SCC); 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!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory Temperature: Monitoring for CPU and chassis environment
Dimensions and Weight	Weight: Gross Weight: 176 lbs (80 kg) Net Weight: 154 lbs (70 kg) Available Color: silver
Operating Environment	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® H15DPG**
Chassis	**CSE-GP203TS-V01DP**

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