Storage A+ Server ASG-1115S-NE3X12R

1U front-loading all-flash storage server with 12 E3.S NVMe drives and PCIe 5.0

More details here

Key Applications

Software-defined Storage, In-Memory Computing, Data Intensive HPC, Private & Hybrid Cloud, NVMe Over Fabrics Solution,

Key Features

- Single Socket SP5 AMD EPYC™ 9004 Series processors. Up to 300W TDP.;
- Supports 24 DIMMs with 2DPC, up to 9TB memory capacity with 24 DIMMs of 384GB 3DS RDIMM/RDIMM DDR5 ECC memory;
- Two PCIe 5.0 x16 slots & two AIOM connectors (OCP 3.0 SFF compliant);
- 4x E3.S CXL (16.8mm) + 8x hot-swap E3.S (7.5mm) NVMe drive bays;
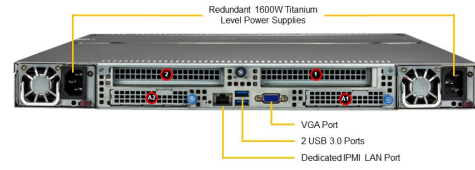- Redundant Titanium 1600W Power Supplies;

Form Factor	1U Rackmount Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4") Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55")
Processor	Single processor(s) AMD EPYC™ 9004/9005 Series Processors (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x) Up to 96C/192T
System Memory	Slot Count: 24 DIMM slots/12 Channels Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (2DPC): Up to 6TB 4000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 5200MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (2DPC): Up to 9TB 4400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor)

Drive Bays Configuration	Default: Total 12 bays
	  • 8 front hot-swap E3.S 1T PCIe 5.0 x4 NVMe drive bays
	  • 4 front fixed E3.S 2T PCIe 5.0 x8 CXL Type 3 drive bays
	M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110)
	     1 M.2 PCIe 3.0 x4 NVMe slot (M-key 2280/22110)

Expansion Slots	PCI-Express (PCIe) Configuration: Default
	                • 2 PCIe 5.0 x16 FHHL slots
	                • 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)
	CXL Support: Up to 4 CXL 2.0 x8 Type 3 devices

On-Board Devices	Chipset: AMD System on Chip Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 2 USB 3.0 ports(front) Video: 1 VGA port

(Front View – System)

(Rear View – System)

Drive Bay	Description
4 1 6 7	E3.S (2T) NVMe CXL Drive Bays
2 – 5 – 9 – 11	Hot-swap E3.S (1T) NVMe Drive Bays

Slot Description	
1 2	PCIe 5.0 x16 FH
A1 A2	PCIe 5.0 x16 AIOM

System Cooling

Fans: 8 Heavy Duty 4cm Fan(s)
Air Shroud: 1 Air Shroud

Power Supply

1x 1600W Redundant Titanium Level (96%) power supply

System BIOS

BIOS Type: AMI 32MB SPI Flash EEPROM

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!

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
Voltage: +1.8V, +12V, +3.3V, +5V, +5V standby, 10 -fan status, 3.3V standby, HT, Memory, VBAT

Dimensions and Weight

Weight: Gross Weight: 68.74 lbs (31.2 kg)
    Net Weight: 48 lbs (21.8 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: 8% to 95% (Non-condensing)

Motherboard

Super H13SSF

Chassis

CSE-126E32-R1K62P