

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

Via AIOM

Input / Output

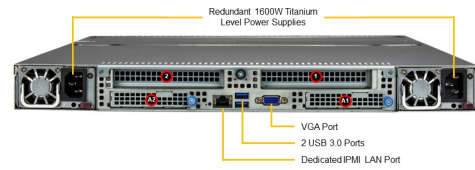
LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
 USB: 2 USB 3.0 ports(rear)
 2 USB 3.0 ports(front)
 Video: 1 VGA port

(Front View – System)



Drive Bay	Description
1-4	E3 S(2T) NVMe CXL Drive Bays
5-10	Hot-swap E3 S(1T) NVMe Drive Bays

(Rear View – System)



Slot	Slot Description
1-2	PCIe 5.0 x16 FH
3-4	PCIe 5.0 x16 AOM

System Cooling	Fans: Up to 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: 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 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