

Storage A+ Server ASG-2115S-NE332R

2U front-loading all-flash storage server with 32 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™ 9004/9005 Series processor; up to 400W TDP;
- Supports 24 DIMMs with 2DPC, up to 9TB memory capacity with 24 DIMMs of 384GB 3DS RDIMM/RDIMM DDR5 ECC memory;
- 2 PCIe 5.0 x16 slots & 2 AIOM slots (OCP 3.0 SFF compliant);
- 32 Hot-swap E3.S (7.5mm) NVMe PCIe5.0 x2 drive bays;
- Redundant Titanium 2000W Power Supplies;



Form Factor

2U Rackmount
 Enclosure: 438.4 x 89.8 x 789.9mm (17.2" x 3.5" x 30.8")
 Package: 673.1 x 254 x 1098.55mm (26.5" x 10" x 43.25")

Processor

Single processor(s)
 AMD EPYC™ 9004/9005 Series Processors
 (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)

System Memory

Slot Count: 24 DIMM slots
 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 34 bays

- 2 rear hot-swap 2.5" SATA drive bays
- 32 front hot-swap E3.S 1T PCIe 5.0 x2 NVMe 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

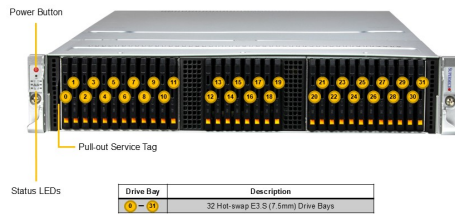
- 2 PCIe 5.0 x16 FHHL slots
- 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)

M.2: 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280/22110)

Input / Output

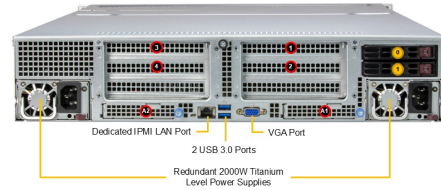
LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
 USB: 2 USB 3.0 ports(rear)
 2 USB 3.0 ports(front)
 Video: 1 VGA port

(Front View – System)



Drive Bay	Description
1-26	32 Hot-swap E3.S (7.5mm) Drive Bays

(Rear View – System)



Slot Description	Drive Bay	Description
1	1	2 Hot-swap 2.5" SATA Drive Bays
2		
3		
4		
5		
6		
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32		

System Cooling

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

Power Supply

2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies

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: 77 lbs (34.93 kg)
Net Weight: 55 lbs (24.95 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 H13SSF](#)

Chassis

CSE-236E3-R2K08P