

Storage A+ Server ASG-1115S-NE316R

1U front-loading all-flash storage server with 16 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 300W 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 connectors (OCP 3.0 SFF compliant);
- 16 Hot-swap E3.S (7.5mm) NVMe drive bays;
- Redundant Titanium 1600W Power Supplies;



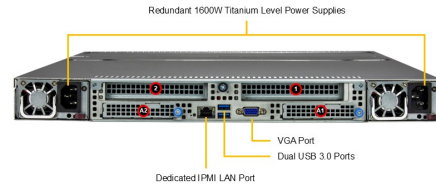
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|--------------------------|---|
| Form Factor | 1U Rackmount Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4") Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55") |
| Processor | Single processor(s) AMD EPYC™ 9005/9004 Series Processors Up to 96C/192T |
| System Memory | Slot Count: 24 DIMM slots 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) 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) |
| Drive Bays Configuration | Default: Total 16 bays <ul style="list-style-type: none"> • 16 front hot-swap E3.S 1T PCIe 5.0 x4 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 <ul style="list-style-type: none"> • 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) |
| 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 |
|-----------|-------------------------------------|
| 0 - 15 | 16 Hot-swap E3 S (7.5mm) Drive Bays |

(Rear View – System)



| Slot | Slot Description |
|------|-------------------|
| 1, 2 | PCIe 5.0 x16 FHHL |
| 3, 4 | PCIe 5.0 x16 ALOM |

| | |
|-----------------------|--|
| System Cooling | Fans: Up to 8 Heavy Duty 4cm Fan(s) Air Shroud: 1 Air Shroud |
| Power Supply | 2x 1600W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB 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: 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 |