

# Storage A+ Server ASG-2015S-E1CR24H (Complete System Only 0)

[📄 Datasheet](#) [🔗 Share](#)

2U front/top-loading storage server with 24 hot-swap 3.5" SAS/SATA bays (SAS hardware RAID) and PCIe 5.0



### Key Applications

- Enterprise Server
- HPC, Data Center
- Corporate Database
- iSCSI SAN
- Database Processing & Storage
- Appliance Optimized Storage Building Blocks

### Key Features

- Single AMD EPYC™ 9004/9005\* Series Processor  
(\*AMD EPYC™ 9005 series drop-in support requires board revision 2.x)
- Support up to DDR5 12 DIMM slots (1DPC)
- Dedicated 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 SFF compliant)  
Up to 6 PCIe 5.0 slots (slot #2 populated by 3908 controller)
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node
- 24 Hot-swap 3.5" SAS3/SATA3 drive bays, 2 Rear SATA Slots, 4 Op Rear NVMe Slots, 2 NVMe M.2 (form factor: 2280/22110)
- 4x 8cm hot-swap counter-rotate redundant PWM cooling fans
- 1600W Redundant Power Supplies Titanium Level (96%)
- HW RAID support via Broadcom® 3908

[Contact Us](#)
[Get Pricing](#)
[Compare](#)

## Specifications

### Product SKUs

A+ Server **ASG-2015S-E1CR24H**  
A+ Server **ASG-2015S-E1CR24H-G1** Gold Series version with pre-configured components

### Motherboard

**Super H13SSW**

### Processor

<b>CPU</b>	Single processor(s) <a href="#">AMD EPYC™ 9004/9005 Series Processors</a> (* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)
<b>Core Count</b>	Up to 84C/168T; Up to 384MB Cache
<b>Note</b>	Supports 200W - 290W TDP CPUs * This system supports AMD EPYC™ 9004/9005 Series processors up to 400W TDP

### System Memory

<b>Memory</b>	Slot Count: 12 DIMM slots Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor) Max Memory (1DPC): Up to 4.5TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) <a href="#">View Memory Options &gt;</a>
<b>Memory Voltage</b>	1.1V

### On-Board Devices

<b>Chipset</b>	System on Chip
<b>Network Connectivity</b>	Via AIOM <a href="#">View AIOM Options &gt;</a> <a href="#">View AOC Options &gt;</a>

### Input / Output

<b>LAN</b>	1 RJ45 1 GbE Dedicated BMC LAN port
<b>USB</b>	2 USB 3.0 ports(rear)
<b>Video</b>	1 VGA port

### System BIOS

<b>BIOS Type</b>	AMI 32MB SPI Flash EEPROM
------------------	---------------------------

### Management

<b>Software</b>	<a href="#">SuperCloud Composer</a> <a href="#">Supermicro Server Manager (SSM)</a> <a href="#">Supermicro Update Manager (SUM)</a> <a href="#">Supermicro SuperDoctor® 5 (SD5)</a> <a href="#">Super Diagnostics Offline (SDO)</a> <a href="#">Supermicro Thin-Agent Service (TAS)</a> <a href="#">SuperServer Automation Assistant (SAA) New!</a>
<b>Power configurations</b>	Power-on mode for AC power recovery ACPI Power Management

### Security

<b>Hardware</b>	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
<b>Features</b>	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery Supply Chain Security: Remote Attestation Runtime BMC Protections System Lockdown

### PC Health Monitoring

<b>CPU</b>	Monitors for CPU Cores, Chipset Voltages, Memory 4+1 Phase-switching voltage regulator
<b>FAN</b>	Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
<b>Temperature</b>	Monitoring for CPU and chassis environment Thermal Control for fan connectors

### Chassis

<b>Form Factor</b>	2U Rackmount
--------------------	--------------

<b>Model</b>	<b>CSE-826S3TS-R1K62P1</b>
--------------	----------------------------

### Dimensions and Weight

<b>Height</b>	3.5"
<b>Width</b>	17.2"
<b>Depth</b>	34"
<b>Package</b>	12" (H) x 29" (W) x 52" (D)
<b>Weight</b>	Gross Weight: 74.5 lbs (33.79 kg) Net Weight: 52 lbs (23.59 kg)
<b>Available Color</b>	Silver

### Front Panel

<b>LED</b>	Network activity Power status SSD activity System information (overheat/UID)
<b>Buttons</b>	Power On/Off

### Expansion Slots

<b>PCI-Express (PCIe) Configuration</b>	Default 4 PCIe 5.0 x16 FHHL slots 2 PCIe 5.0 x8 FHHL slots 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) Option A 3 PCIe 5.0 x16 FHHL slots 1 PCIe 5.0 x8 FHHL slot 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) Option B 2 PCIe 5.0 x16 FHHL slots 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) <a href="#">View AOC Options &gt;</a>
---	--

### Drive Bays / Storage

<b>Drive Bays Configuration</b>	Default: Total 26 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading hot-swap 3.5" SAS/SATA drive bays 2 rear hot-swap 2.5" SATA drive bays Option A: Total 28 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading fixed 3.5" SAS/SATA drive bays 2 rear hot-swap 2.5" SATA drive bays 2 rear hot-swap 2.5" NVMe drive bays Option B: Total 30 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading hot-swap 3.5" SAS/SATA drive bays 4 rear hot-swap 2.5" NVMe drive bays 2 rear hot-swap 2.5" SATA drive bays <a href="#">View NVMe Options &gt;</a> <a href="#">View Drive Options &gt;</a>
<b>M.2</b>	2 M.2 NVMe slots (M-key 2280/22110) <a href="#">View M.2 Options &gt;</a>

### System Cooling

<b>Fans</b>	4 Heavy Duty 8cm Fan(s)
-------------	-------------------------

### Power Supply

	1x 1600W Redundant Titanium Level (96%) power supply
<b>Dimension (WxHxL)</b>	73.5 x 40 x 203 mm
<b>Input</b>	1000W: 100-127Vac 1000W: 100-127Vac / 50-60Hz 1600W: 200-240Vac 1600W: 200-240Vac / 50-60Hz
<b>+12V</b>	Max: 83.3A / Min: 0A (100Vac-127Vac) Max: 83A / Min: 0A (100Vac-127Vac) Max: 133A / Min: 0A (200Vac-240Vac)
<b>12V SB</b>	Max: 2.1A / Min: 0A

### Certification

<b>Certification</b>	<b>Titanium Level</b> [ <a href="#">Test Report</a> ]
----------------------	--

### Operating Environment

<b>ROHS</b>	RoHS Compliant
<b>Environmental Spec.</b>	Operating Temperature: 10°C ~ 35°C (50°F ~ 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)

### Environmental / Recycling

<b>Recycle</b>	<a href="#">Return Server-End of Life Product</a>
----------------	---

Certain products may not be available in your region

[Global SKU](#) [English](#)

## About Us

Company Profile  
Green Computing  
Investor Relations  
Careers  
Site Map  
Glossary

## News

Press Releases  
Supermicro in the News  
Product Reviews  
Events  
Webinars

## Resources

Product Briefs  
Solution Briefs  
Success Stories  
Videos  
White Papers  
Thought Leadership  
MySupermicro  
Data Center Stories

## Connect & Follow

Locations  
Contact Us  
Newsletter Sign-up

