

Storage SuperServer SSG-521E-E1CR24L (Complete System Only 6)

Datasheet Share

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



SUPERMICE



Key Applications

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

Building Blocks

Key Features

- 1. Single Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processor. Up to 300W TDP.
- 2. 16 ECC DDR5-5600: LRDIMM/RDIMM
- 3. Two Dedicated PCIe 5.0 x16 AIOM slots (OCP 3.0 SFF compliant) Up to 6x PCIe 5.0 Slots (Slot #2 populated by 3808 controller by default)

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Specifications Parts List

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SuperServer SSG-521E-E1CR24L

Motherboard

Super X13SEDW-F

System Memory

Processor

Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors

Core Count Up to 36C/72T; Up to 180MB Cache

Supports 120W - 300W TDP CPUs (Air Cooled)

Slot Count: 16 DIMM slots Memory

CPU

Max Memory (2DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM

<u>View Memory Options</u> >

Memory Voltage 1.1V

On-Board Devices

Network Connectivity Via AIOM

Chipset Intel® C741

View AIOM Options >

View AOC Options >

Input / Output

1 RJ45 1 GbE Dedicated BMC LAN port

2 USB 3.0 ports(rear)

Video 1 VGA port

2 Super<u>DOM</u> (Disk on Module) ports **DOM**

System BIOS

BIOS Type AMI 32MB SPI Flash EEPROM

Management

SuperCloud Composer Software

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!

Power configurations

Hardware

Features

ACPI Power Management

Trusted Platform Module (TPM) 2.0

Cryptographically Signed Firmware

Power-on mode for AC power recovery

Security

Silicon Root of Trust (RoT) – NIST 800-193 Compliant

Secure Boot Secure Firmware Updates **Automatic Firmware Recovery**

Supply Chain Security: Remote Attestation **Runtime BMC Protections**

System Lockdown

PC Health Monitoring

Monitors for CPU Cores, Chipset Voltages, Memory 7 Phase-switching voltage regulator

Thermal Control for fan connectors

Fans with tachometer monitoring FAN Status monitor for speed control

Pulse Width Modulated (PWM) fan connectors

Temperature

Monitoring for CPU and chassis environment

Chassis

2U Rackmount Form Factor

Dimensions and Weight

Height 3.5" Width 17.2"

Depth 34"

Weight

Package 12" (H) x 29" (W) x 52" (D) Gross Weight: 74.5 lbs (33.79 kg)

Net Weight: 52 lbs (23.59 kg)

CSE-826S3TS-R1K62P1

Available Color

Front Panel

Network activity LED Power status

Silver

SSD activity System information (overheat/UID)

Power On/Off

Expansion Slots

PCI-Express (PCIe)

Configuration

Buttons

4 PCIe 5.0 x8 FHHL slots

Default

2 PCIe 5.0 x16 FHHL slots

1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option A

2 PCIe 5.0 x8 FHHL slots 2 PCIe 5.0 x16 FHHL slots

1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)

Option B 2 PCIe 5.0 x16 FHHL slots

2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible) <u>View AOC Options</u> >

12 front hot-swap 3.5" SAS/SATA drive bays

Default: Total 26 bays

Configuration

Drive Bays

Drive Bays / Storage

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 hot-swap 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

View Drive Options > 2 M.2 NVMe slots (M-key 2280/22110)

<u>View NVMe Options</u> >

View M.2 Options >

System Cooling

Fans 4 Heavy Duty 8cm Fan(s)

Power Supply

2x 1600W Redundant Titanium Level (96%) Hot-plug power supplies

1000W: 100-127Vac Input 1000W: 100-127Vac / 50-60Hz

Dimension (WxHxL)

1600W: 200-240Vac 1600W: 200-240Vac / 50-60Hz

Max: 2.1A / Min: 0A

73.5 x 40 x 203 mm

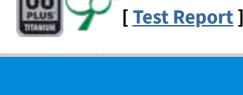
Max: 83.3A / Min: 0A (100Vac-127Vac) +12V Max: 83A / Min: 0A (100Vac-127Vac) Max: 133A / Min: 0A (200Vac-240Vac)

Output Type

12V SB

Backplanes (gold finger)

Certification



Operating Environment ROHS

RoHS Compliant

Environmental Spec. 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)

Titanium Level

Certain products may not be available in your region

Global SKU





English



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