

# Storage SuperServer SSG-521E-E1CR24H



More details here

## Key Applications

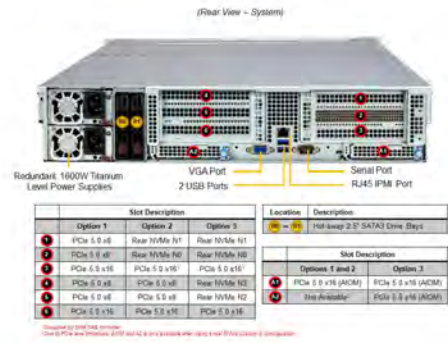
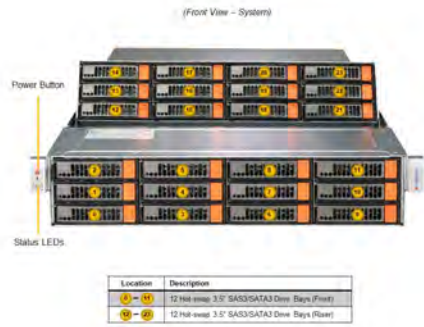
Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,

## Key Features

- Single Socket E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors. Up to 300W TDP.;
- 16 ECC DDR5-4800: LRDIMM/RDIMM;
- Up to 6x PCIe 5.0 Slots (Slot #2 populated by 3908 controller by default); Two Dedicated PCIe 5.0 x16 AIOM slots (OCP 3.0 SFF compliant);
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 24 3.5" Hot-swap SAS3/SATA3 drives, 2x Rear SATA Slots, 4x Optional Rear NVMe Slots, 2x NVMe/SATA M.2 (form factor: 2280);
- 4x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1600W Redundant Power Supplies Titanium Level (96%);
- HW RAID support via Broadcom® 3908;



Form Factor	2U Rackmount Enclosure: (17.2" x 3.5" x 34") Package: (29" x 12" x 52")
Processor	Single Socket 4th Gen Intel® Xeon® Scalable processors Supports 120W - 120W TDP CPUs (Air Cooled)
System Memory	Memory Capacity: 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 RDIMM
Drive Bays	24x 3.5" hot-swap SATA3/SAS3 drive bays (2x 2.5" hot-swap SATA3 rear drive bays) 2 M.2 NVMe OR 2 M.2 SATA3 M-Key, 2280 and 22110
Expansion Slots	4 PCIe 5.0 x8 FH slot(s) 2 PCIe 5.0 x16 FH slot(s) 2 PCIe 5.0 x16 AIOM slot(s) Note: PCIe slot 2 is occupied by the Storage Controller (default configuration). If NVMe Kit exists, PCIe Slot 3 is occupied by Storage Controller instead.
On-Board Devices	Chipset: Intel® C741 Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port



System Cooling	Fans: 4 Heavy Duty 8cm Fan(s)
Power Supply	1600W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors
Dimensions and Weight	Height: 3.5" Width: 17.2" Depth: 34" Gross Weight: 74.5 lbs (33.79 kg) Net Weight: 52 lbs (23.59 kg) Packaging: 12" x 29" x 52" Available Color: Silver
Operating Environment	ROHS: RoHS Compliant 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)
Motherboard	<a href="#">Super X13SEDW-F</a>
Chassis	CSE-826S3TS-R1K62P1