

Storage SuperServer SSG-121E-NES24R


[More details here](#)

Key Applications

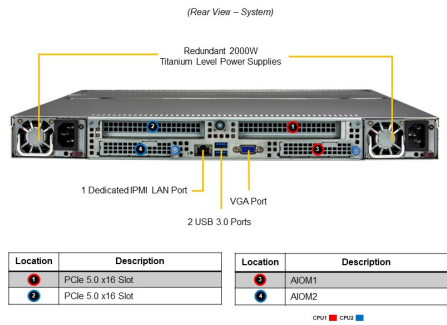
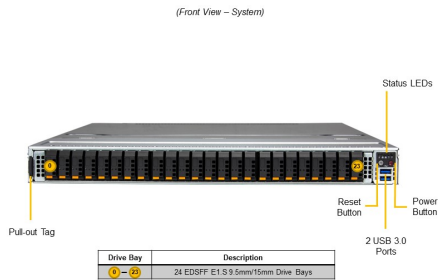
Software-defined Storage, In-Memory Computing, Data Intensive HPC, Private & Hybrid Cloud, NVMe Over Fabrics Solution,

Key Features

- Dual Socket E (LGA-4677) 4th Generation Intel® Xeon® Scalable processors. Up to 270W TDP.;
- Supports 32 DIMMs with 2DPC, up to 12TB memory capacity with 16 DIMMs of 256Gb 3DS RDIMM/RDIMM DDR5 ECC memory and 16 DIMMs of 512Gb Intel® Optane PMem 300 Series;
- Two PCIe 5.0 x16 slots & two AIOM connectors (OCP 3.0 SFF compliant);
- 24x hot-swap E1.S (9.5mm or 15mm) NVMe drive bays;
- Redundant Titanium 2000W Power Supplies;



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	Dual Socket E (LGA-4677) 4th Gen Intel® Xeon® Scalable processors Supports 145W - 270W TDP CPUs (Air Cooled)
System Memory	Memory Capacity: 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 RDIMM;LRDIMM
Drive Bays	24x E1.S Hot-swap NVMe (9.5mm or 15mm) drive slots 2x PCIe 3.0 (NVMe or SATA3 Hybrid slots) M-Key, 2280 and 22110
Expansion Slots	2 PCIe 5.0 x16 FH slot(s) 2 PCIe 5.0 x16 AIOM slot(s)
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: 4 USB 3.0 port(s) (2 rear; 2 front) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear)



System Cooling	8x 4cm heavy duty fan(s)
Power Supply	2000W 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 4+1 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: 1.7" (43.6 mm) Width: 17.2" (438.4 mm) Depth: 30.4" (773.25 mm) Gross Weight: 68.74 lbs (31.2 kg) Net Weight: 48 lbs (21.8 kg) Packaging: 7.87" (H) x 23.81" (W) x 40.55" (D) 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	Super X13DSF-A
Chassis	CSE-126ES2-R2K08P