

# 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

4th Gen Intel® Xeon® Scalable processors  
Dual Socket LGA-4677 (Socket E) supported  
4 UPI  
(Supports 145W - 270W TDP CPUs (Aircooled))

### System Memory

32 DIMM slots

### Drive Bays

0x hot-swap NVMe drive bays;

### Expansion Slots

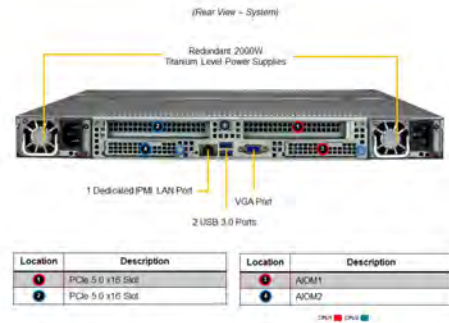
1 Gen5 X4 FH slot(s)  
1 PCIe 5.0 x16 FH slot(s)  
1 PCIe 5.0 x8 AIOM slot(s)  
1 PCIe 5.0 x4 AIOM slot(s)

### 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 1U redundant power supply W73.5 x L203 x H40mm Dimension (W x H x L): 73.5 x 40 x 203 mm Output Type: Backplanes (gold finger)
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; 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	<a href="#">Super X13DSF-A</a>
Chassis	CSE-126ES2-R2K08P