

## Storage SuperServer SSG-121E-NE316R

1U front-loading all-flash storage server with 16 E3.S NVMe drives and PCIe 5.0



## **Key Applications**

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

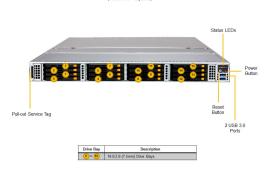
## **Key Features**

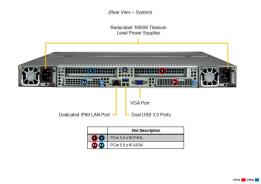
- Dual Socket E (LGA-4677) 5th/4th Generation Intel® Xeon® Scalable processors. Up to 270W TDP.;
- Supports 32 DIMMs with 2DPC, up to 8TB memory capacity with 32 DIMMs of 256GB 3DS RDIMM DDR5-5600 ECC memory;
- Two PCIe 5.0 x16 slots & two AIOM connectors (OCP 3.0 SFF compliant);
- 16x hot-swap E3.S (7.5mm) NVMe drive bays;
- Redundant Titanium 1600W 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)  5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
System Memory	Slot Count: 32 DIMM slots Max Memory (2DPC): Up to 8TB 5600MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 16 bay(s)  • 16 front hot-swap E3.S 1T NVMe drive bay(s)  M.2: 2 M.2 NVMe/SATA slot(s) (M-key 2280/22110)
Expansion Slots	Default • 2 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) USB: 2 USB 3.0 port(s) (rear) 2 USB 3.0 port(s) (front) Video: 1 VGA port(s)







System Cooling	Fans: 8 Heavy Duty 4cm Fan(s)
Power Supply	2x 1600W Redundant Titanium Level Hot-plug power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5;
	Super Diagnostics Offline; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)
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	Weight: Gross Weight: 68.74 lbs (31.2 kg)
	Net Weight: 48 lbs (21.8 kg)
	Available Color: Silver
Operating Environment	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-operating Relative Humidity: 8% to 95% ()
Motherboard	Super X13DSF-A
Chassis	CSE-126E32-R1K62P