

# Storage SuperServer SSG-121E-NE3X12R

1U front-loading all-flash storage server with 8 E3.S NVMe drives and 4 E3.S 2T CXL bays



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) 5th 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 DDR5-4800 ECC memory;
- Two PCIe 5.0 x16 slots & two AIOM connectors (OCP 3.0 SFF compliant);
- 8x hot-swap E3.S (1T) NVMe drive bays, 4x E3.S(2T) CXL bays;
- Redundant Titanium 1600W Power Supplies;



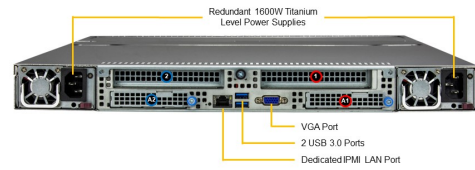
<b>Form Factor</b>	<p>1U Rackmount</p> <p>Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4")</p> <p>Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55")</p>
<b>Processor</b>	Dual processor(s)
<b>System Memory</b>	Slot Count: 32 DIMM slots
<b>Drive Bays Configuration</b>	<p>Default: Total 12 bays</p> <ul style="list-style-type: none"> <li>• 8 front hot-swap E3.S 1T NVMe drive bays</li> <li>• 4 front fixed E3.S 2T CXL Type 3 drive bays</li> </ul> <p>M.2: 2 M.2 NVMe/SATA slots (M-key 2280/22110)</p>
<b>Expansion Slots</b>	<p>PCI-Express (PCIe) Configuration: Default</p> <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHHL slots</li> <li>• 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul> <p>CXL Support: Up to 4 CXL 2.0 x8 Type 3 devices</p>
<b>On-Board Devices</b>	<p>Chipset: Intel® C741</p> <p>Network Connectivity: Via AIOM</p>
<b>Input / Output</b>	<p>LAN: 1 RJ45 1 GbE Dedicated BMC LAN port</p> <p>USB: 2 USB 3.0 ports(rear)</p> <p>2 USB 3.0 ports(front)</p> <p>Video: 1 VGA port</p>

(Front View – System)



Drive Bay	Description
1-4	E3 S(2T) NVMe CXL Drive Bays
5-10	Hot-swap E3 S(1T) NVMe Drive Bays

(Rear View – System)



Slot	Slot Description
1, 2	PCIe 5.0 x16 FH
3, 4	PCIe 5.0 x16 AOM

System Cooling	Fans: 8 Heavy Duty 4cm Fan(s) Air Shroud: 2 Air Shrouds
Power Supply	2x 1600W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	SuperCloud Composer®; 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!
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 to 35°C (50°F to 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	<a href="#">Super X13DSF-A</a>
Chassis	CSE-126E32-R1K62P