

# Storage SuperServer SSG-121E-NE316R

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



More details here

## Key Applications

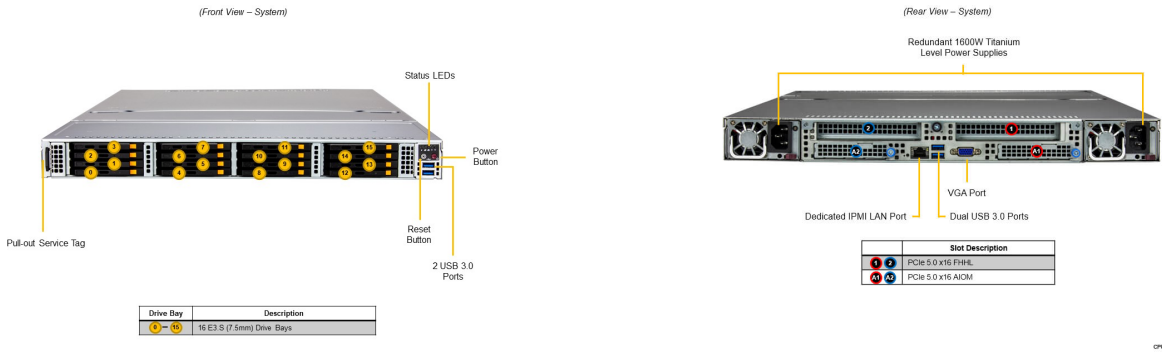
Software-defined Storage, In-Memory Computing, Data Intensive HPC, Private & Hybrid Cloud, NVMe Over Fabrics Solution,

## Key Features

- Dual Socket E (LGA-4677) 5th/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<br>Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4")<br>Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55")                      |
| Processor                | Dual Socket E (LGA-4677)<br>5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors                                                                        |
| System Memory            | Slot Count: 32 DIMM slots<br>Max Memory (2DPC): Up to 8TB 5600MT/s ECC DDR5 RDIMM/LRDIMM                                                                           |
| Drive Bays Configuration | Default: Total 16 bays <ul style="list-style-type: none"> <li>• 16 front hot-swap E3.S 1T NVMe drive bays</li> </ul> M.2: 2 M.2 NVMe/SATA slots (M-key 2280/22110) |
| Expansion Slots          | Default <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>                    |
| On-Board Devices         | Chipset: Intel® C741<br>Network Connectivity: Via AIOM                                                                                                             |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 2 USB 3.0 ports(rear)<br>2 USB 3.0 ports(front)<br>Video: 1 VGA port                                              |



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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 8 Heavy Duty 4cm Fan(s)<br>Air Shroud: 2 Air Shrouds                                                                                                                                                                                                                                                        |
| Power Supply          | 2x 1600W Redundant Titanium Level (96%) Hot-plug 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<br>7 Phase-switching voltage regulator<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 68.74 lbs (31.2 kg)<br>Net Weight: 48 lbs (21.8 kg)<br>Available Color: Silver                                                                                                                                                                                                                    |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% ( )<br>Non-operating Relative Humidity: 8% to 95% ( )                                                                                       |
| Motherboard           | <a href="#">Super X13DSF-A</a>                                                                                                                                                                                                                                                                                          |
| Chassis               | CSE-126E32-R1K62P                                                                                                                                                                                                                                                                                                       |