# Storage SuperServer SSG-221E-NE324R

2U front-loading all-flash storage server with 24 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

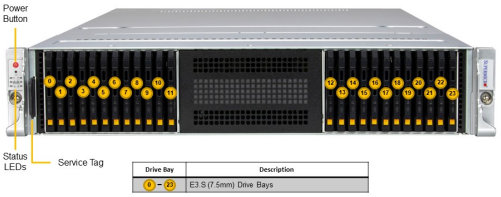
- Dual Socket E (LGA-4677) 5th/4th Generation Intel® Xeon® Scalable processors. Up to 350W TDP.;
- Supports 32 DIMMs with 2DPC, up to 8TB memory capacity with 32 DIMMs of 256GB 3DS RDIMM DDR5-5600 ECC memory;
- Two PCIe 5.0 x16 slots & two PCIe x8 slots and two AIOM connectors (OCP 3.0 SFF compliant);
- 24x hot-swap E3.S (7.5mm) NVMe drive bays;
- Redundant Titanium 2000W Power Supplies;



| | |
|---|---|
| Form Factor | 2U Rackmount<br>Enclosure: 438.4 x 89.8 x 789.9mm (17.2" x 3.5" x 30.8")<br>Package: 673.1 x 254 x 1098.55mm (26.5" x 10" x 43.25") |
| 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 24 bay(s)<br>• 24 front hot-swap E3.S 1T NVMe drive bay(s)<br>M.2: 2 M.2 NVMe/SATA slot(s) (M-key 2280/22110) |
| Expansion Slots | Default<br>• 4 PCIe 5.0 x8 FHHL slot(s)<br>• 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)<br>Option A<br>• 2 PCIe 5.0 x8 FHHL slot(s)<br>• 1 PCIe 5.0 x16 FHHL slot(s)<br>• 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)<br>Option B<br>• 2 PCIe 5.0 x16 FHHL slot(s)<br>• 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) |
| On-Board Devices | Chipset: Intel® C741<br>Network Connectivity: Via AIOM |

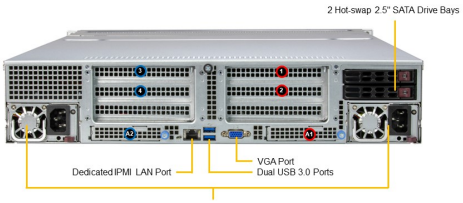
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*(Front View – System)*




| Drive Bay | Description |
|---|---|
| 0 ~ 23 | E3.S (7.5mm) Drive Bays |

*(Rear View – System)*




| | Slot Description |
|---|---|
| 1 | PCIe 5.0 x8 FHHL |
| 2 | PCIe 5.0 x16 FHHL (x8 when slots 1 is occupied) |
| 3 | PCIe 5.0 x8 FHHL |
| 4 | PCIe 5.0 x16 FHHL (x8 when slots 3 is occupied) |
| A1 A2 | PCIe 5.0 x16 (AIOM) |

| | |
|---|---|
| System Cooling | Fans: 4 Heavy Duty 8cm Fan(s) |
| Power Supply | 1x 2000W Redundant Titanium Level (96%) power supply |
| 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: 77 lbs (34.93 kg)<br>Net Weight: 55 lbs (24.95 kg)<br>Available Color: Silver |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (Non-Condensing)<br>Non-operating Relative Humidity: 5% to 95% (Non-Condensing) |
| Motherboard | **Super X13DSF-A** |
| Chassis | **CSE-236E3-R2K08P** |

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