

Storage SuperServer SSG-221E-DN2R24R

2U all-flash SBB with 24 U.2 NVMe drives and PCIe 5.0

Key Applications

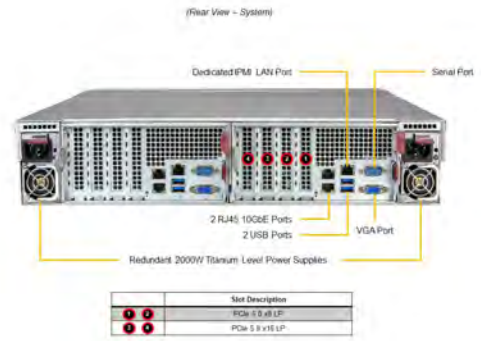
Artificial Intelligence (AI), High Availability Storage, NVMe Over Fabrics Solution,

Key Features

- Single Socket E (LGA-4677) 5th/4th Generation Intel® Xeon® Scalable processor. Up to 350W TDP.;
- 2 PCIe 5.0 x16 HHHL slots
2 PCIe 5.0 x8 HHHL slots;
- Supports 8 DIMMs per node with 1DPC, up to 2TB memory capacity with 8 DIMMs of 256GB 3DS RDIMM DDR5-5600 ECC memory per node.;
- Dedicated node to node connectivity featuring high performance Broadcom NTB PCIe 5.0 x16 and IPMI for robust node fail-over support;
- 24 Hot-swap Dual Port Gen 5 U.2 NVMe SSD bays;
- Redundant Titanium 2000W Power Supplies;
- Two **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following.;



Form Factor	2U Rackmount Enclosure: 449.4 x 89 x 762mm (17.7" x 3.5" x 30") Package: 664 x 241 x 1100mm (26.14" x 9.49" x 43.3")
Processor	Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
System Memory	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 24 bay(s) • 24 front hot-swap 2.5" PCIe 5.0 NVMe drive bay(s) M.2: 2 M.2 NVMe/SATA slot(s) (M-key 2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x16 HHHL slot(s) • 2 PCIe 5.0 x8 HHHL slot(s) M.2: 2 M.2 PCIe 3.0 x4 NVMe slot(s) (M-key)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 10GbE with Intel® X710
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 RJ45 10 GbE LAN port(s) USB: 2 USB 3.0 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear)



System Cooling	Fans: 6 Heavy Duty 6cm Fan(s)
Power Supply	2x 2000W Redundant 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: 60 lbs (27.21 kg) Net Weight: 55 lbs (24.94 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: 5% to 95% ()
Motherboard	Super X13SEB-TF
Chassis	CSE-229TS-R000NP