Storage SuperServer SSG-631E-E1CR16L

Key Applications

Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,

Key Features

- Dual socket 4th Gen Intel® Xeon® Scalable processors, up to 60 Cores Per CPU;
- Up to 4TB 3DS ECC RDIMM, DDR5-4800MT/s(1DPC) in 16 DIMM slots;
- 2x 10 GbE onboard via Broadcom BCM57416; 1x GbE Dedicated LAN for server remote management: IPMI 2.0 / KVM over LAN / Media over LAN;
- 16x 3.5"/2.5" Hot-swap SAS3/SATA3 drives, 2x Rear 2.5" SATA Slots, 2x SATA/NVMe M.2 (form factor: 2280 and 22110);
- 5x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1200W Redundant Power Supplies Titanium Level (96%);
- HBA Controller support via Broadcom® 3808;

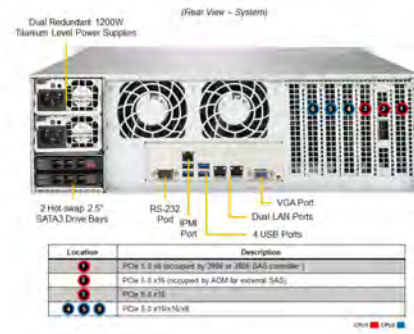|	
Form Factor	3U Rackmount Enclosure: (17.2" x 5.2" x 25.5") Package: (27" x 13" x 35")
Processor	Dual Socket E (LGA-4677) 4th Gen Intel® Xeon® Scalable processors Supports 120W - 270W TDP CPUs (Air Cooled)
System Memory	Memory Capacity: 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 4800MHz ECC DDR5 RDIMM
Drive Bays	16x 3.5" hot-swap SATA3/SAS3 drive bays 2 M.2 NVMe M-Key, 2280 and 22110
Expansion Slots	3 PCIe 5.0 x16 slot(s) 1 PCIe 5.0 x8 slot(s) Note: PCIe slot 1 & 2 are occupied by the Storage Controller/JBOD Expansion Module
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2x 10GbE BaseT with Broadcom BCM57416 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port 2 Onboard 10 GbE LAN Ports USB: 4 USB 3.0 port(s) (4 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port

System Cooling	5x 8cm heavy duty fan(s)
Power Supply	1200W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0

PC Health Monitoring

CPU: Monitors for CPU Cores, Chipset Voltages, Memory
  7+1 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

Height: 5.2"
Width: 17.2"
Depth: 25.5"
Gross Weight: 79 lbs (48 kg)
Packaging: 13" x 27" x 35"
Available Color: Silver

Operating Environment

ROHS: 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-Condensing)
Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

Motherboard	Super X13DEI-T
Chassis	CSE-836BTS-R1K23BP2