

Storage SuperServer SSG-631E-E1CR16L

3U front-loading storage server with 16 hot-swap 3.5" SAS/SATA bays and PCIe 5.0



More details here

Key Applications

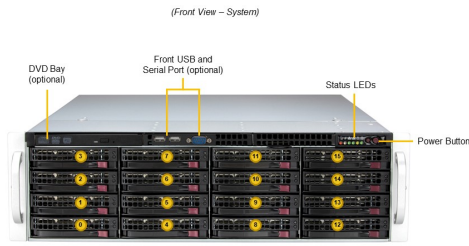
Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,

Key Features

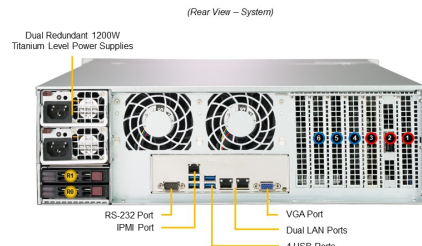
- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors;
- Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s(1DPC) in 16 DIMM slots;
- 2x 10 GbE onboard via Broadcom BCM57416
1x GbE Dedicated LAN for server remote management: IPMI 2.0 / KVM over LAN / Media over LAN;
- 16x 3.5"/2.5" Hot-swap SAS3/SATA3 drives, 2x Rear 2.5" SATA Slots, 2x 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) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 18 bay(s) <ul style="list-style-type: none"> • 16 front hot-swap 3.5" SAS/SATA drive bay(s) • 2 rear hot-swap 2.5" SATA drive bay(s) M.2: 2 M.2 PCIe 4.0 x2 NVMe slot(s) (M-key 2280/22110) Peripheral Bays: 1 slim DVD bay(s) (optional)
Expansion Slots	Default <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 (in x16) FHHL slot(s) • 2 PCIe 5.0 x8 (in x8) FH/10.5"L slot(s)
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE with Broadcom® BCM57416
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 RJ45 10 GbE LAN port(s) (Broadcom® BCM57416) (IPMI shared on LAN port 1) USB: 4 USB 3.0 port(s) (rear) Video: 1 VGA port(s) (Rear) Serial: 1 COM port(s) (Rear) TPM: 1 TPM header



Location	Description
(C) - (H)	3.5" Hot-swap SATA3/SAS3 Drive Bays



Drive Bay	Description	Slot Description
(H)	2 Hot-swap 2.5" SATA3 Drive Bay	(1) PCIe 5.0 x16 (occupied by 3908 or 3808 SAS controller)
		(2) PCIe 5.0 x16 (occupied by ACM for external SAS)
		(3) PCIe 5.0 x16
		(4) PCIe 5.0 x16x4

System Cooling	Fans: 5 Heavy Duty 8cm Fan(s)
Power Supply	2x 1200W 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 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	Weight: Gross Weight: 79 lbs (48 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-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	<u>Super X13DEI-T</u>
Chassis	CSE-836BTS-R1K23BP2