Storage SuperServer SSG-620P-E1CR24L

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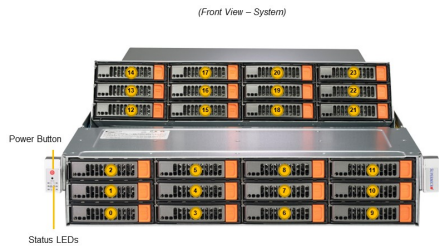
Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,

Key Features
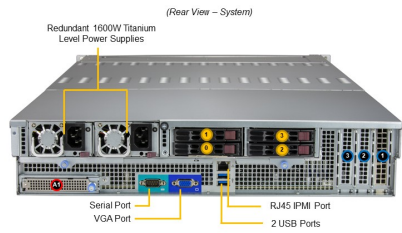
- Dual socket 3rd Gen Intel® Xeon® Scalable processors, up to 72 Cores Per Node;
- 16 ECC DDR4-3200: LRDIMM/RDIMM;
- 3 x PCIe 4.0 x16 Slots; Dedicated PCIe 4.0 AIOM slot;
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 24 3.5" Hot-swap SAS3/SATA3 drives, 4 x Rear SATA/NVMe Slots, 2x SATA/NVMe M.2 (form factor: 2280);
- 5x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1600W Redundant Power Supplies Titanium Level (96%);
- HBA Controller support via Broadcom® 3808;

Form Factor	2U Rackmount Enclosure: (17.2" x 3.5" x 34") Package: (29" x 12" x 52")
Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 38C/76T; Up to 57MB Cache per CPU Supports 120W - 205W TDP CPUs (Air Cooled)
System Memory	Memory Capacity: 16 DIMM slots Up to 4TB: 16x 256 GB DRAM Memory Type: 3200MHz ECC DDR4 RDIMM;LRDIMM
Drive Bays	24x 3.5" hot-swap SATA3/SAS3 drive bays 2 M.2 NVMe OR 2 M.2 SATA3
Expansion Slots	2 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x16 AIOM slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X550 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 USB: 2 USB 3.0 port(s) (2 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port

(Front View – System)

(Rear View – System)

Redundant 1600W Titanium
Level Power Supplies

Power Button

Status LEDs

Serial Port
VGA Port

RJ45 IPMI Port
2 USB Ports

Location	Description
① - ⑫	12 Hot-swap 3.5" SAS3/SATA3 Drive Bays (Front)
⑬ - ㉔	12 Hot-swap 3.5" SAS3/SATA3 Drive Bays (Riser)

Location	Description
⓪ - ③	Up to 4 Hot-swap 2.5" SATA3/NVMe Drive Bays

Location	Description
M	PCIe 4.0 x16 (AIOM)
1	PCIe 4.0 x16 (Occupied by 3908 SAS controller)
2 3	PCIe 4.0 x16

CPU1 ■ CPU2 ■

System Cooling	5x 8cm heavy duty fan(s)
Power Supply	1600W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 128MB 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
	    4+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: 3.5" Width: 17.2" Depth: 34" Gross Weight: 74.5 lbs (33.79 kg) Net Weight: 52 lbs (23.59 kg) Packaging: 12" x 29" x 52" 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 X12DSC-A6](#)
Chassis	CSE-826STS-R1K62P1