

Storage SuperServer SSG-620P-E1CR24L

2U front/top-loading storage server with 24 hot-swap 3.5" SAS/SATA bays and PCIe 4.0

Key Applications

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

Key Features

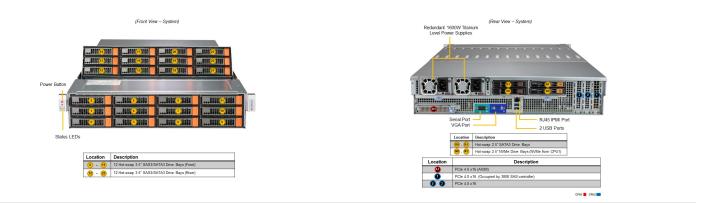
- Dual socket 3rd Gen Intel® Xeon® Scalable processors, up to 72 Cores Per Node;
- 16 ECC DDR4-3200: LRDIMM/RDIMM;
- Dedicated PCIe 4.0 AIOM slot 3 x PCIe 4.0 x16 Slots;
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN per node;
- 24 3.5" Hot-swap SAS3/SATA3 drives, 4 x Rear SATA/NVMe 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
System Memory	Slot Count: 16 DIMM slots
	Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 28 bay(s)
	 12 front hot-swap 3.5" SAS/SATA drive bay(s)
	 12 top-loading hot-swap 3.5" SAS/SATA drive bay(s)
	 2 rear hot-swap 2.5" SATA drive bay(s)
	 2 rear hot-swap 2.5" NVMe drive bay(s)
	M.2: 2 M.2 NVMe slot(s) (M-key 2280/22110)
Expansion Slots	Default
	• 1 PCIe 4.0 x8 LP slot(s)
	 2 PCIe 4.0 x16 LP slot(s)
	• 1 PCIe 4.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: Intel® C621A
	Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)
	USB: 2 USB 3.0 port(s) (rear)
	Video: 1 VGA port(s)
	DOM: 2 Super <mark>DOM</mark> (Disk on Module) port(s)







System Cooling	Fans: 5 Heavy Duty 8cm Fan(s)
Power Supply	2x 1600W Redundant Titanium Level Hot-plug power supplies
System BIOS	BIOS Type: AMI 128MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)
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
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Dimensions and Weight	Weight: Gross Weight: 74.5 lbs (33.79 kg)
	Net Weight: 52 lbs (23.59 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 X12DSC-A6
Chassis	CSE-826STS-R1K62P1