Storage SuperServer SSG-620P-E1CR24L

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

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 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 SuperDOM (Disk on Module) port(s)

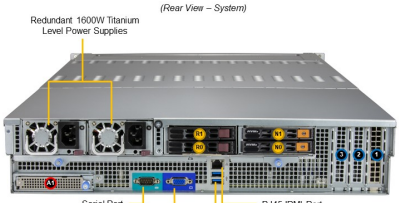
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(Front View – System)



Location	Description
(0) - (11)	12 Hot-swap 3.5" SAS3/SATA3 Drive Bays (Front)
(12) - (23)	12 Hot-swap 3.5" SAS3/SATA3 Drive Bays (Riser)

(Rear View – System)



Location	Description
(N0) - (N1)	Hot-swap 2.5" SATA3 Drive Bays
(N2) - (N3)	Hot-swap 2.5" NVMe Drive Bays (NVMe from CPU1)

Location	Description
A1	PCIe 4.0 x16 (AIOM)
1	PCIe 4.0 x16 (Occupied by 3808 SAS controller)
2 3	PCIe 4.0 x16

CPU1 CPU2

System Cooling	Fans: 5 Heavy Duty 8cm Fan(s)
Power Supply	2x 1600W Redundant Titanium Level (96%) Hot-plug power supplies
System BIOS	BIOS Type: AMI 128MB 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 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	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-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	**Super X12DSC-A6**
Chassis	**CSE-826STS-R1K62P1**

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