Storage SuperServer SSG-620P-ACR16H

2U front-loading storage server with 16 hot-swap 3.5" hybrid SAS/SATA bays (SAS hardware RAID) and PCIe 4.0

More details here

Key Applications

Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database,



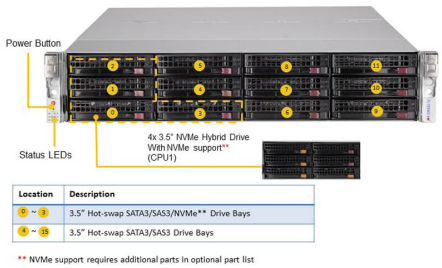
Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- 16 ECC DDR4-3200: LRDIMM/RDIMM + 2 Intel® Optane™ Persistent Memory Dedicated Slots;
- 2x 10Gbe;
- 16x 3.5" hot-swap hybrid SATA/SAS drive bays (4 NVMe Hybrid Ports); 2 Rear SATA 2.5" Slots; onboard 1 M.2 NVMe;
- 3 heavy duty fans with optimal fan speed control; 1 Air Shroud;
- 1600W Redundant Power Supplies Titanium Level (96%);
- Broadcom® 3916 controller;

Form Factor	2U Rackmount Enclosure: 437 x 89 x 705mm (17.2" x 3.5" x 27.75") Package: 658 x 274 x 998mm (25.9" x 10.8" x 39.3")
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
Drive Bays Configuration	Default: Total 18 bay(s) • 8 front hot-swap 3.5" SAS/SATA drive bay(s) • 4 internal hot-swap 3.5" SAS/SATA drive bay(s) • 4 front hot-swap 3.5" NVMe*/SAS/SATA drive bay(s) • 2 rear hot-swap 2.5" SAS*/SATA drive bay(s) (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 1 M.2 NVMe slot(s) (M-key)
Expansion Slots	Default • 4 PCIe 4.0 x16 LP slot(s) • 1 PCIe 4.0 x8 LP slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2 RJ45 10GBASE-T 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 1 GbE Dedicated IPMI LAN port(s) 2 RJ45 10 GBASE-T LAN port(s) USB: 4 USB 3.0 port(s) (rear) Video: 1 VGA port(s) DOM: 2 SuperDOM (Disk on Module) port(s)

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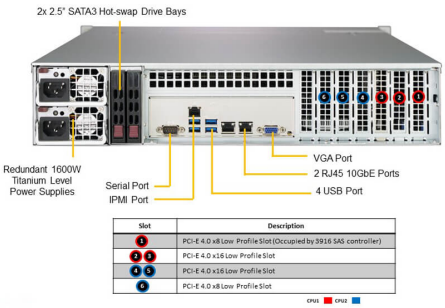
(Front View)



Location	Description
0 ~ 3	3.5" Hot-swap SATA3/SAS3/NVMe** Drive Bays
4 ~ 15	3.5" Hot-swap SATA3/SAS3 Drive Bays

** NVMe support requires additional parts in optional part list

(Rear View)



Slot	Description
1	PCI-E 4.0 x8 Low Profile Slot (Occupied by 3916 SAS controller)
2 3	PCI-E 4.0 x16 Low Profile Slot
4 5	PCI-E 4.0 x16 Low Profile Slot
6	PCI-E 4.0 x8 Low Profile Slot

CPU1 CPU2

System Cooling	Fans: 4 Heavy Duty 8cm 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	Weight: Gross Weight: 62 lbs (28.12 kg) Net Weight: 41.5 lbs (18.82 kg) Available Color: Black
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 X12DPi-NT6**
Chassis	**CSE-829HE1C4-R1K62LPB**

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