

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;



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| Form Factor | 2U 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") |
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| Processor | Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 38C/76T; Up to 57MB Cache per CPU |
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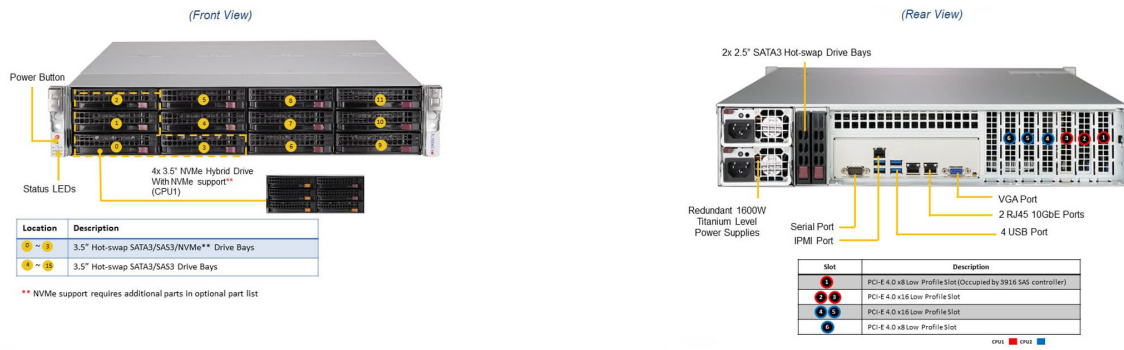
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| System Memory | Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 |
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| Drive Bays Configuration | Default: Total 18 bays <ul style="list-style-type: none"> • 8 front hot-swap 3.5" SAS/SATA drive bays • 4 internal hot-swap 3.5" SAS/SATA drive bays • 4 front hot-swap 3.5" NVMe*/SAS/SATA drive bays • 2 rear hot-swap 2.5" SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables) M.2: 1 M.2 NVMe slot (M-key) |
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| Expansion Slots | Default <ul style="list-style-type: none"> • 4 PCIe 4.0 x16 LP slots • 1 PCIe 4.0 x8 LP slot |
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| On-Board Devices | 2 RJ45 10GBASE-T with Intel® X550 |
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| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports USB: 4 USB 3.0 ports(rear) Video: 1 VGA port DOM: 2 SuperDOM (Disk on Module) ports |
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System Cooling Fans: Up to 4 Heavy Duty 8cm Fan(s)
Air Shroud: 1 Air Shroud

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: 4+1 Phase-switching voltage regulator
Monitors for CPU Cores, Chipset Voltages, Memory
FAN: Fans with tachometer monitoring
Pulse Width Modulated (PWM) fan connectors
Status monitor for speed control
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 to 35°C (50°F to 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 X12DPi-NT6](#)

Chassis [CSE-829HE1C4-R1K62LPB](#)