

Storage SuperServer SSG-620P-ACR12H

2U front-loading storage server with 12 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;
- 12x 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;
- Broadcom® 3916 controller;



Form Factor

2U Rackmount
Enclosure: (17.3" x 3.5" x 25.5")
Package: (27" x 12" x 35")

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
Supports Intel® Optane™ persistent memory 200 series

Drive Bays Configuration

Default: Total 14 bays

- 8 front 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)

Expansion Slots

Default

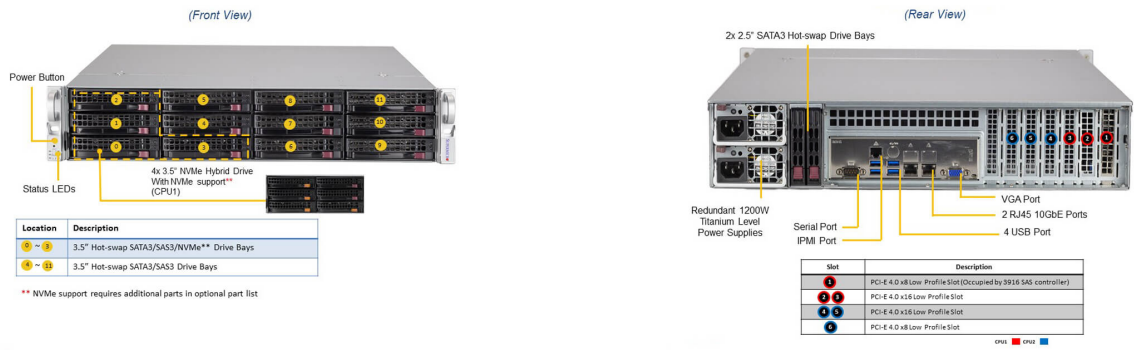
- 4 PCIe 4.0 x16 LP slots
- 1 PCIe 4.0 x8 MicroLP slot

On-Board Devices

Chipset: Intel® C621A
Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550

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



System Cooling	Fans: 3 Heavy Duty 8cm Fan(s)
Power Supply	2x 1200W 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: 61 lbs (27.7 kg) Net Weight: 34 lbs (15.4 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-operating Relative Humidity: 5% to 95% ()
Motherboard	Super X12DPi-NT6
Chassis	CSV-826BTS-R1K23LPBP2