Storage SuperServer SSG-620P-ACR12H
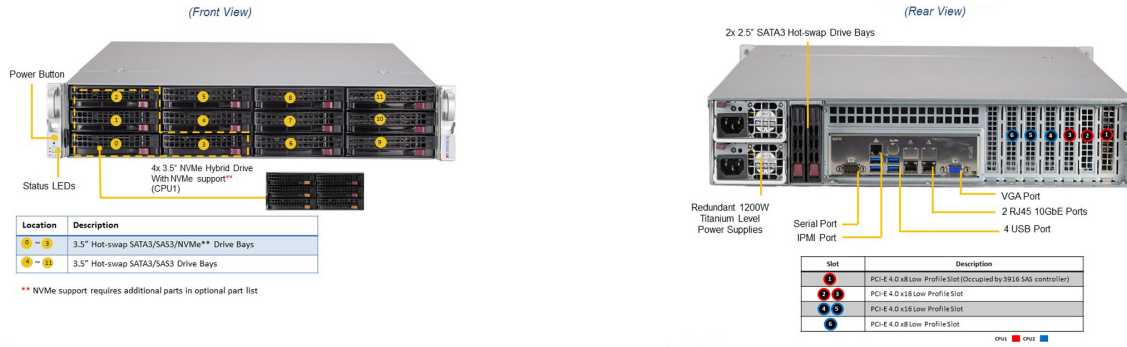
Key Applications

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 Hyprid 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	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots Up to 18TB Intel® DCPMM, DDR4-2666MHz Up to 4TB ECC RDIMM/LRDIMM, DDR4-3200MHz
Drive Bays	12x 3.5" hot-swap SATA3/SAS3 drive bays (4x 2.5" NVMe hybrid; 4x 3.5" NVMe hybrid) 1 M.2 NVMe
Expansion Slots	4 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s) Note: PCIe slot 1 is occupied by the Storage Controller
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT 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 Dedicated IPMI LAN port 2 RJ-45 10Gbase-T ports USB: 4 USB 3.0 port(s) (4 Rear_USB) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 2 SuperDOM (Disk on Module) port

(Front View)

(Rear View)

Power Button

Status LEDs

4x 3.5" NVMe Hybrid Drive
With NVMe support**
(CPU1)

Location	Description
0 ~ 3	3.5" Hot-swap SATA3/SAS3/NVMe** Drive Bays
4 ~ 11	3.5" Hot-swap SATA3/SAS3 Drive Bays

** NVMe support requires additional parts in optional part list

2x 2.5" SATA3 Hot-swap Drive Bays

Redundant 1200W
Titanium Level
Power Supplies

Serial Port
IPMI Port

VGA Port
2 RJ45 10GbE Ports
4 USB Port

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	3x 8cm heavy duty fan(s)
Power Supply	1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm Dimension (W x H x L): 76 x 40 x 336 mm Output Type: 19 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 128MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; 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	Height: 3.5" Width: 17.3" Depth: 25.5" Gross Weight: 61 lbs (27.7 kg) Net Weight: 34 lbs (15.4 kg) Packaging: 12" x 27" x 35" Available Color: Black
Operating Environment	ROHS: 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	CSV-826BTS-R1K23LPBP2