

# Storage SuperServer SSG-540P-E1CTR60H

4U top-loading storage server with 60 hot-swap SAS/SATA bays (SAS hardware RAID) and PCIe 4.0



More details here

## Key Applications

Database Applications, Backup Storage, Cold Storage, Data Warehousing, Archiving,

## Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors. Up to 270W TDP.;
- 8 DIMMs; Supports 3DS DDR4-3200: RDIMM/LRDIMM/Intel® Intel® DCPMM;
- 2 PCIe 4.0 x16 (LP) slots, 2 PCIe 4.0 x8 (LP) slots;
- Intel® Ethernet Controller X550 2x 10GbE RJ45;
- 60x Top-loading hot-swap 3.5" or 2.5" SAS3/SATA3 drive bays, 2x Hot-swap 2.5" SATA drive bays (rear), Onboard 1x NVMe/SATA M.2; 2x Hot-swap 2.5" SATA3/NVMe (rear, optional);
- 5 Hot-Swap 8cm redundant PWM fans;
- Redundant Titanium 1600W Power Supply;



### Form Factor

4U Rackmount  
Enclosure: (17.2" x 7" x 30.2")  
Package: 711 x 845 x 1080mm (28" x 33.25" x 42.5")

### Processor

Single Socket P+ (LGA-4189)  
3rd Gen Intel® Xeon® Scalable processors  
Up to 38C/76T; Up to 57MB Cache

### System Memory

Slot Count: 8 DIMM slots  
Max Memory (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM  
Supports Intel® Optane™ persistent memory 200 series

### Drive Bays Configuration

Default: Total 60 bays  
• 60 top-loading hot-swap 3.5" SAS/SATA drive bays  
M.2: 1 M.2 PCIe 3.0 x4 SATA slot (M-key)

### Expansion Slots

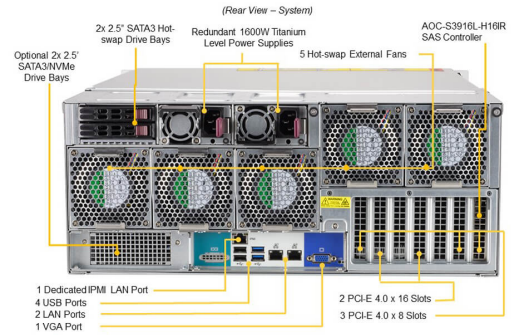
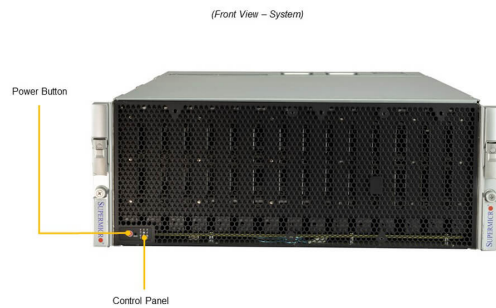
Default  
• 3 PCIe 4.0 x8 LP slots  
• 2 PCIe 4.0 x16 LP slots

### On-Board Devices

SATA: SATA (6Gbps)  
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: Up to 5 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 32MB 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: 169.5 lbs (76.9 kg) Net Weight: 117 lbs (53 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	<a href="#">Super X12SPI-TF</a>
Chassis	CSV-946STS-R1K6LPP