

# Storage SuperServer SSG-540P-E1CTR60H

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



## Key Applications

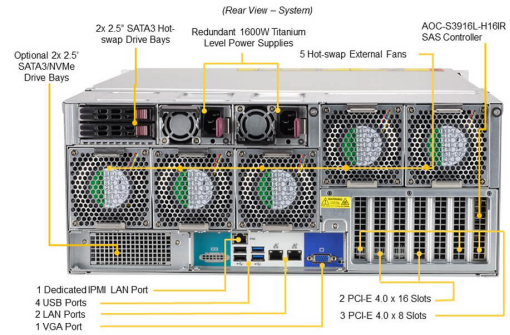
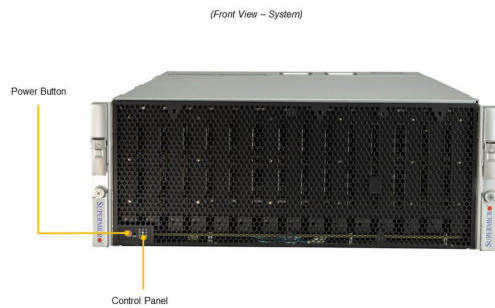
Database Applications, Backup Storage/Cold Storage, Data Warehousing/Archiving,

## 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;



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 4U Rackmount<br>Enclosure: (17.2" x 7" x 30.2")<br>Package: 711 x 845 x 1080mm (28" x 33.25" x 42.5")                                                                 |
| Processor                | Single Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 38C/76T; Up to 57MB Cache                                                            |
| System Memory            | Slot Count: 8 DIMM slots<br>Max Memory (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM<br>Supports Intel® Optane™ persistent memory 200 series                       |
| Drive Bays Configuration | Default: Total 60 bays <ul style="list-style-type: none"> <li>• 60 top-loading hot-swap 3.5" SAS/SATA drive bays</li> </ul> M.2: 1 M.2 PCIe 3.0 x4 SATA slot (M-key)  |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 3 PCIe 4.0 x8 LP slots</li> <li>• 2 PCIe 4.0 x16 LP slots</li> </ul>                                                 |
| On-Board Devices         | SATA: SATA (6Gbps)<br>Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550<br>BMC: ASPEED AST2600 BMC                                                              |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 10 GBASE-T LAN ports<br>USB: 4 USB 3.0 ports (rear)<br>Video: 1 VGA port<br>DOM: 2 SuperDOM (Disk on Module) ports |



|                       |                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 5 Heavy Duty 8cm Fan(s)<br>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® (SCC); 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<br>Monitors for CPU Cores, Chipset Voltages, Memory<br>Fan: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 169.5 lbs (76.9 kg)<br>Net Weight: 117 lbs (53 kg)<br>Available Color: Black                                                                                                                                                                                                                        |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% ()<br>Non-operating Relative Humidity: 5% to 95% ()                                                                                           |
| Motherboard           | <a href="#">Super X12SPi-TF</a>                                                                                                                                                                                                                                                                                           |
| Chassis               | CSV-946STS-R1K6LPP                                                                                                                                                                                                                                                                                                        |