

# UP Storage SuperServer SSG-540P-E1CTR36H

4U UP front/rear-loading storage server with 36 hot-swap 3.5" SAS/SATA bays (SAS hardware RAID) and PCIe 4.0



More details here

## Key Applications

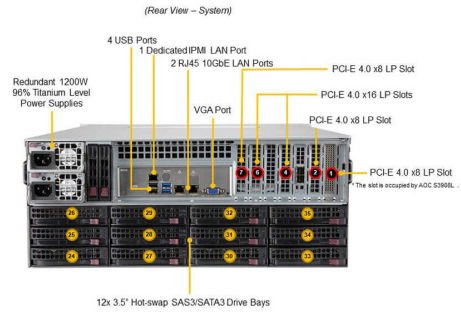
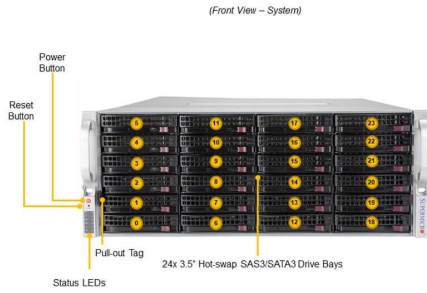
Enterprise Server, Database Processing & Storage, Appliance Optimized Storage,

## 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;
- 36x Hot-swap 3.5" SAS3/SATA3 drive bays (24 front + 12 rear), Onboard 1x NVMe/SATA M.2; 2x Hot-swap 2.5" NVMe/SATA (rear, optional); 2x Internal fixed bay support up to 4x 2.5" drive bays (optional);
- Redundant Titanium 1200W Power Supply;



<b>Form Factor</b>	<p>4U Rackmount</p> <p>Enclosure: 437 x 178 x 699mm (17.2" x 7" x 27.5")</p> <p>Package: 656 x 445 x 1003mm (27" x 17.5" x 39.5")</p>
<b>Processor</b>	<p>Single Socket P+ (LGA-4189)</p> <p>3rd Gen Intel® Xeon® Scalable processors</p> <p>Up to 40C/80T; Up to 60MB Cache</p>
<b>System Memory</b>	<p>Slot Count: 8 DIMM slots/8 Channels</p> <p>Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM</p> <p>Supports Intel® Optane™ persistent memory 200 series</p>
<b>Drive Bays Configuration</b>	<p>Default: Total 36 bays</p> <ul style="list-style-type: none"> <li>• 24 front hot-swap 3.5" SAS/SATA drive bays</li> <li>• 12 rear hot-swap 3.5" SAS/SATA drive bays</li> </ul> <p>Option A: Total 38 bays</p> <ul style="list-style-type: none"> <li>• 24 front hot-swap 3.5" SAS/SATA drive bays</li> <li>• 12 rear hot-swap 3.5" SAS/SATA drive bays</li> <li>• 2 rear hot-swap 2.5" PCIe 4.0 NVMe*/SAS*/SATA* drive bays</li> </ul> <p>(*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details)</p> <p>M.2: 1 M.2 PCIe 3.0 x4 NVMe/SATA slot (M-key 2280/22110)</p>
<b>Expansion Slots</b>	<p>Default</p> <ul style="list-style-type: none"> <li>• 2 PCIe 4.0 x8 LP slots</li> <li>• 2 PCIe 4.0 x16 LP slots</li> </ul>
<b>On-Board Devices</b>	<p>SATA: SATA (6Gbps) via Intel® C621A; RAID 0/1/5/10 support</p> <p>SAS: SAS (12Gbps) via Broadcom® 3908; RAID 0/1/5/6/10/50/60 support</p> <p>NVMe: NVMe; RAID 0/1 support(Intel® VROC RAID key required)</p> <p>Network Connectivity: 2 RJ45 10GbE with Intel® X550</p>
<b>Input / Output</b>	<p>LAN: 2 RJ45 10 GbE LAN ports (Intel® X550)</p> <p>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)</p> <p>USB: 2 USB 2.0 ports(header)</p> <p>2 USB 3.2 Gen1 Type-A ports(rear)</p> <p>2 USB 2.0 Type-A ports(rear)</p> <p>2 USB 3.2 Gen1 ports(Header)</p> <p>1 USB 3.2 Gen1 Type-A port</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(Header)</p> <p>DOM: 2 SuperDOM (Disk on Module) portswith built-in power</p> <p>TPM: 1 TPM header</p>



System Cooling	Fans: Up to 7 Heavy Duty PWM 80x80x38mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) 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: 7+1 Phase-switching voltage regulator module (VRM) 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: 102.5 lbs (46.4 kg) Net Weight: 66.5 lbs (29.7 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	<a href="#"><u>Super X12SPi-TF</u></a>
Chassis	<b>CSE-847BTS-R1K23LPBP4</b>