

# UP Storage SuperServer SSG-540P-E1CTR45L

4U UP top-loading storage server with 45 hot-swap 3.5" SAS/SATA bays and PCIe 4.0



More details here

## Key Applications

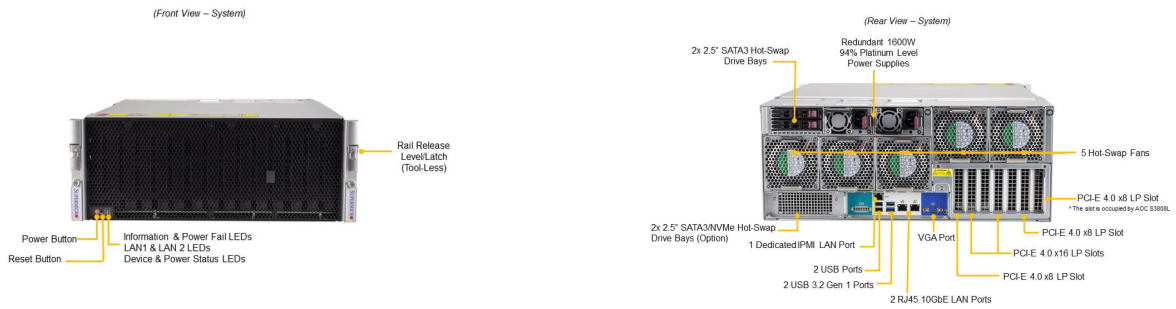
Database Applications, Backup Storage, Cold Storage, Data Warehousing, Archiving,

## 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;
- 45x Top-loading hot-swap 3.5" 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);
- Redundant Platinum 1600W Power Supply;



<b>Form Factor</b>	4U Rackmount Enclosure: 437 x 178 x 660mm (17.2" x 7" x 26") Package: 711 x 559 x 1067mm (28" x 22" x 42")
<b>Processor</b>	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache
<b>System Memory</b>	Slot Count: 8 DIMM slots Max Memory (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series
<b>Drive Bays Configuration</b>	Default: Total 47 bays <ul style="list-style-type: none"> <li>• 45 top-loading hot-swap 3.5" SAS/SATA drive bays</li> <li>• 2 rear hot-swap 2.5" SATA drive bays</li> </ul>
<b>Expansion Slots</b>	Default <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>	SATA: SATA (6Gbps) SAS: SAS (12Gbps) ; (IT mode) NVMe: NVMe; RAID 0/1 support(Intel® VROC RAID key required) Chipset: Intel® C621A Network Connectivity: 2 RJ45 10GBASE-T with Intel® X550
<b>Input / Output</b>	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports (Intel® X550) USB: 2 USB 2.0 ports(header) 2 USB 2.0 ports(rear) 1 Type-A port 2 ports(header) 2 ports(rear) Video: 1 VGA port DOM: 2 Super <a href="#">DOM</a> (Disk on Module) portswith built-in power



System Cooling	Fans: 5 Heavy Duty PWM 80x80x38mm Fan(s)
Power Supply	1x 1600W Redundant Platinum Level (94%) power supply
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 7+1 Phase-switching voltage regulator module (VRM) 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: 120 lbs (54.43 kg) Net Weight: 85 lbs (38.56 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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="#">Super X12SPI-TF</a>
Chassis	<b>CSE-946LTS-R1K66P1</b>