# Storage SuperServer SSG-621E-ACR12H

2U front-loading storage server with 12 hot-swap 3.5" SAS/SATA bays (SAS hardware RAID; 6 optional NVMe) and PCIe 5.0

More details here

## Key Applications

Enterprise Server, iSCSI SAN, HPC, Data Center, Database Processing & Storage, Corporate Database, Appliance Optimized Storage Building Blocks,



## Key Features

- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors;
- Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s(1DPC) in 16 DIMM slots;
- 2x 10 GbE onboard via Broadcom BCM57416
  1x GbE Dedicated LAN for server remote management: IPMI 2.0 / KVM over LAN / Media over LAN;
- 12x 3.5"/2.5" Hot-swap SAS3/SATA3 drives, 2x Rear 2.5" SATA Slots, 2x NVMe M.2 (form factor: 2280 and 22110);
- 3x 8cm hot-swap counter-rotate redundant PWM cooling fans;
- 1200W Redundant Power Supplies Titanium Level (96%);
- HW RAID support via Broadcom® 3916;

| | |
|---|---|
| Form Factor | 2U Rackmount<br>Enclosure: 437 x 89 x 650mm (17.2" x 3.5" x 25.6")<br>Package: 673 x 292 x 864mm (26.5" x 11.5" x 34") |
| Processor | Dual Socket E (LGA-4677)<br>5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors |
| System Memory | Slot Count: 16 DIMM slots<br>Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM |
| Drive Bays Configuration | Default: Total 14 bays<br>• 12 front hot-swap 3.5" SAS/SATA drive bays<br>• 2 rear hot-swap 2.5" SATA drive bays<br>Option A: Total 6 bays<br>• 6 front hot-swap 3.5" PCIe 5.0 x4 NVMe* drive bays<br>(*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details)<br>M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110) |
| Expansion Slots | Default<br>• 4 PCIe 5.0 x16 (in x16) LP slots<br>• 2 PCIe 5.0 x8 (in x8) LP slots |
| On-Board Devices | Chipset: Intel® C741<br>Network Connectivity: 2 RJ45 10GbE with Broadcom® BCM57416 |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 10 GbE LAN ports (Broadcom® BCM57416) (IPMI shared on LAN port 1)<br>USB: 4 USB 3.0 ports(rear)<br>Video: 1 VGA port(Rear)<br>Serial: 1 COM port(Rear)<br>TPM: 1 TPM header |

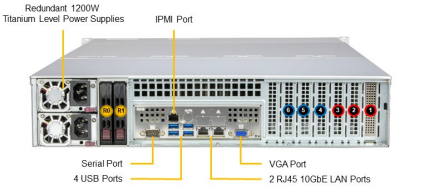
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*(Front View – System)*




| Drive Bay | Description |
|---|---|
| 0 – 5 | Hot-swap 3.5" NVMe/SAS3/SATA3 Drive Bays |
| 6 – 11 | Hot-swap 3.5" SAS3/SATA3 Drive Bays |

*(Rear View – System)*




| | Slot Description |
|---|---|
| 1 | PCIe 5.0 x8 (Occupied by 3916 SAS Controller) |
| 2 3 | PCIe 5.0 x16 |
| 4 5 | PCIe 5.0 x16 |
| 6 | PCIe 5.0 x8 |

| Drive Bay | Description |
|---|---|
| R0 – R1 | Hot-swap 2.5" SATA3 Drive Bays |

CPU1 CPU2

| | |
|---|---|
| System Cooling | Fans: 3 Heavy Duty 8cm Fan(s) |
| Power Supply | 2x 1200W 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<br>7+1 Phase-switching voltage regulator<br>FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 58 lbs (26.3 kg)<br>Net Weight: 34 lbs (15.4 kg)<br>Available Color: Black |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (Non-Condensing)<br>Non-operating Relative Humidity: 5% to 95% (Non-Condensing) |
| Motherboard | **Super X13DEI-T** |
| Chassis | **CSE-826BTS-R1K23LPBP2** |

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