



# Storage SuperServer SSG-621E-ACR16H

Datasheet

Share

2U front-loading storage server with 16 hot-swap 3.5" SAS/SATA bays (SAS hardware RAID) and PCIe 5.0



### Key Applications

- Enterprise Server
  - HPC, Data Center
  - Corporate Database
- iSCSI SAN
  - Database Processing & Storage
  - 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
- ...

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Specifications

Resources & Downloads

Parts List

Product SKUs	
SuperServer <b>SSG-621E-ACR16H</b>	
Motherboard	
<b>Super X13DEI-T</b>	
Processor	
<b>CPU</b>	Dual Socket E (LGA-4677) <a href="#">5th Gen Intel® Xeon®</a> / <a href="#">4th Gen Intel® Xeon® Scalable processors</a>
<b>Note</b>	Supports up to 270W TDP CPUs (Air Cooled)
System Memory	
<b>Memory</b>	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM <a href="#">View Memory Options &gt;</a>
<b>Memory Voltage</b>	1.1V
On-Board Devices	
<b>Chipset</b>	Intel® C741
<b>Network Connectivity</b>	2 RJ45 10GbE with Broadcom® BCM57416 <a href="#">View AOC Options &gt;</a>
Input / Output	
<b>LAN</b>	1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports (Broadcom® BCM57416) (IPMI shared on LAN port 1)
<b>USB</b>	4 USB 3.0 ports(rear)
<b>Video</b>	1 VGA port(Rear)
<b>Serial</b>	1 COM port(Rear)
<b>TPM</b>	1 TPM header
System BIOS	
<b>BIOS Type</b>	AMI 32MB SPI Flash EEPROM
Management	
<b>Software</b>	<a href="#">SuperCloud Composer</a> <a href="#">Supermicro Server Manager (SSM)</a> <a href="#">Supermicro Update Manager (SUM)</a> <a href="#">Supermicro SuperDoctor® 5 (SD5)</a> <a href="#">Super Diagnostics Offline (SDO)</a> <a href="#">Supermicro Thin-Agent Service (TAS)</a> <a href="#">SuperServer Automation Assistant (SAA) New!</a>
<b>Power configurations</b>	Power-on mode for AC power recovery ACPI Power Management
Security	
<b>Hardware</b>	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
<b>Features</b>	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery Supply Chain Security: Remote Attestation Runtime BMC Protections System Lockdown
PC Health Monitoring	
<b>CPU</b>	Monitors for CPU Cores, Chipset Voltages, Memory 7+1 Phase-switching voltage regulator
<b>FAN</b>	Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
<b>Temperature</b>	Monitoring for CPU and chassis environment Thermal Control for fan connectors

Chassis	
<b>Form Factor</b>	2U Rackmount
<b>Model</b>	<b>CSE-829HTS-R1K62LPBP2</b>
Dimensions and Weight	
<b>Height</b>	3.5" (89 mm)
<b>Width</b>	17.2" (437 mm)
<b>Depth</b>	27.75" (705 mm)
<b>Package</b>	10.8" (H) x 25.9" (W) x 39.3" (D)
<b>Weight</b>	Gross Weight: 62 lbs (28.12 kg) Net Weight: 41.5 lbs (18.82 kg)
<b>Available Color</b>	Silver
Front Panel	
<b>LED</b>	HDD Fail LED Network Activity LEDs Power Fail LED Power status LED System Information LED
<b>Buttons</b>	Power On/Off button System Reset button
Expansion Slots	
<b>PCI-Express (PCIe) Configuration</b>	Default 4 PCIe 5.0 x16 (in x16) LP slots 2 PCIe 5.0 x8 (in x8) LP slots <a href="#">View AOC Options &gt;</a>
Drive Bays / Storage	
<b>Drive Bays Configuration</b>	Default: Total 18 bays 12 front hot-swap 3.5" SAS/SATA drive bays 4 internal hot-swap 3.5" SAS/SATA drive bays 2 rear hot-swap 2.5" SATA drive bays Option A: Total 6 bays 6 front hot-swap 3.5" PCIe 5.0 x4 NVMe* drive bays (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) <a href="#">View NVMe Options &gt;</a> <a href="#">View Drive Options &gt;</a>
<b>M.2</b>	2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110) <a href="#">View M.2 Options &gt;</a>
System Cooling	
<b>Fans</b>	4 Heavy Duty 8cm Fan(s)
Power Supply	
2x 1600W Redundant Titanium Level (96%) Hot-plug power supplies	
<b>Dimension (WxHxL)</b>	73.5 x 40 x 203 mm
<b>Input</b>	1000W: 100-127Vac 1000W: 100-127Vac / 50-60Hz 1600W: 200-240Vac 1600W: 200-240Vac / 50-60Hz
<b>+12V</b>	Max: 83.3A / Min: 0A (100Vac-127Vac) Max: 83A / Min: 0A (100Vac-127Vac) Max: 133A / Min: 0A (200Vac-240Vac)
<b>12V SB</b>	Max: 2.1A / Min: 0A
<b>Output Type</b>	Backplanes (gold finger)
<b>Certification</b>	<b>Titanium Level</b> [ <a href="#">Test Report</a> ]
Operating Environment	
<b>ROHS</b>	RoHS Compliant
<b>Environmental Spec.</b>	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)

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