Storage SuperServer SSG-621E-ACR16H

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





SUPERMICE



Key Applications

- Enterprise Server
- HPC, Data Center

Corporate Database

- iSCSI SAN
- Database Processing & Storage • Appliance Optimized Storage
- **Building Blocks**

Key Features

- 1. Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors
- 2. Up to 4TB 3DS ECC RDIMM, DDR5-5600MT/s(1DPC) in 16 DIMM slots
- 3. 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 SSG-621E-ACF	R16H
Motherboard	
Super X13DEI-T	
Processor	
СРИ	Dual Socket E (LGA-4677) <u>5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors</u>
Note	Supports up to 270W TDP CPUs (Air Cooled)
System Memory	
Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM <u>View Memory Options</u> >
Memory Voltage	1.1V
On-Board Devices	
Chipset	Intel® C741
Network Connectivity	2 RJ45 10GbE with Broadcom® BCM57416 <u>View AOC Options</u> >
Input / Output	
LAN	1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports (Broadcom® BCM57416) (IPMI shared on LAN port 1)
USB	4 USB 3.0 ports(rear)
Video	1 VGA port(Rear)
Serial	1 COM port(Rear)
ТРМ	1 TPM header
System BIOS	
BIOS Type	AMI 32MB SPI Flash EEPROM
Management	
Software	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!

<u>SuperServer Automation Assistant (SAA) New!</u>

Silicon Root of Trust (RoT) - NIST 800-193 Compliant

Power-on mode for AC power recovery

Trusted Platform Module (TPM) 2.0

Cryptographically Signed Firmware

Supply Chain Security: Remote Attestation

Monitors for CPU Cores, Chipset Voltages, Memory

Pulse Width Modulated (PWM) fan connectors

Monitoring for CPU and chassis environment

7+1 Phase-switching voltage regulator

Fans with tachometer monitoring

Status monitor for speed control

Thermal Control for fan connectors

ACPI Power Management

Secure Firmware Updates

Runtime BMC Protections

System Lockdown

Automatic Firmware Recovery

Secure Boot

Chassis	
Form Factor	2U Rackmount
Model	CSE-829HTS-R1K62LPBP2
Dimensions and Weight	
Height	3.5" (89 mm)
Width	17.2" (437 mm)
Depth	27.75" (705 mm)
Package	10.8" (H) x 25.9" (W) x 39.3" (D)
Weight	Gross Weight: 62 lbs (28.12 kg) Net Weight: 41.5 lbs (18.82 kg)
Available Color	Silver
Front Panel	
LED	HDD Fail LED Network Activity LEDs Power Fail LED Power status LED System Information LED
Buttons	Power On/Off button System Reset button
Expansion Slots	
PCI-Express (PCIe)	Default

Orive Bays / Storage	
Drive Bays Configuration	

Configuration

Default: Total 18 bays

<u>View AOC Options</u> >

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

4 PCIe 5.0 x16 (in x16) LP slots 2 PCIe 5.0 x8 (in x8) LP slots

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) <u>View NVMe Options</u> >

View Drive Options >

M.2 2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110) View M.2 Options >

System Cooling

Fans 4 Heavy Duty 8cm Fan(s)

Power Supply

2x 1600W Redundant Titanium Level (96%) Hot-plug power supplies

73.5 x 40 x 203 mm Dimension (WxHxL)

> Input 1000W: 100-127Vac / 50-60Hz 1600W: 200-240Vac 1600W: 200-240Vac / 50-60Hz

1000W: 100-127Vac

Max: 83.3A / Min: 0A (100Vac-127Vac) +12V Max: 83A / Min: 0A (100Vac-127Vac) Max: 133A / Min: 0A (200Vac-240Vac)

Max: 2.1A / Min: 0A **12V SB**

Backplanes (gold finger) **Output Type**

Certification



Operating Environment

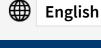
RoHS Compliant ROHS

Environmental Spec. 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)

Certain products may not be available in your region









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