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Supermicro 2U Gold Series Storage Server (SSG-521E-E1CR24H-G1)

- **Key Features/Applications** : Software-defined Storage, Data Intensive HPC, NVMe Over Fabrics Solution, In-Memory Computing, Private & Hybrid Cloud
- **CPU**: Single Intel® Xeon® Silver 4510 Processors (12-Cores)
- **Chassis**: 2U / 1 Node
- **Drive**: 1 960GB M.2 NVMe + 2 20TB 3.5" SATA Hard Drive (Includes SAS Hardware RAID)
- **RAM**: 4 64GB DDR5-5600 RDIMM Memory
- **Network Ports**: 4 10GbE RJ45 LAN Ports via AIOM
- **Ships Within 24 Hours - Buy 5 or More and Save 5% at Checkout**

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(Angled View - System)



24 Hot-swap 3.5" SAS/SATA3 Drive Bays (Front + Riser)

*Actual product may vary slightly from photo shown



Your System



Gold Series

Product SKUs	
SuperServer SSG-521E-E1CR24H	
SuperServer SSG-521E-E1CR24H-G1 Gold Series version with pre-configured components	
Processor	
CPU	- Single Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
Core Count	Up to 36C/72T; Up to 180MB Cache
Note	Supports 120W - 300W TDP CPUs (Air Cooled)
System Memory	
Memory	- Slot Count: 16 DIMM slots - Max Memory (2DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Memory Voltage	1.1V
On-Board Devices	
Chipset	Intel® C741
Network Connectivity	Via AIOM
Input / Output	
LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	2 USB 3.0 ports(rear)
Video	1 VGA port
DOM	2 SuperDOM (Disk on Module) ports
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!
Power configurations	- Power-on mode for AC power recovery - ACPI Power Management
iC Health Monitoring	
CPU	- Monitors for CPU Cores, Chipset Voltages, Memory 7 Phase-switching voltage regulator
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



Chassis	
Form Factor	2U Rackmount
Model	CSE-826S3TS-R1K62P1
Dimensions and Weight	
Height	3.5"
Width	17.2"
Depth	34"
Package	12" (H) x 29" (W) x 52" (D)
Weight	- Gross Weight: 74.5 lbs (33.79 kg) - Net Weight: 52 lbs (23.59 kg)
Available Color	Silver
Front Panel	
LED	- Network activity - Power status - SSD activity - System information (overheat/UID)
Buttons	Power On/Off
Drive Bays / Storage	
Drive Bays Configuration	- Default: Total 26 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading hot-swap 3.5" SAS/SATA drive bays 2 rear hot-swap 2.5" SATA drive bays - Option A: Total 28 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading hot-swap 3.5" SAS/SATA drive bays 2 rear hot-swap 2.5" SATA drive bays 2 rear hot-swap 2.5" NVMe drive bays - Option B: Total 30 bays 12 front hot-swap 3.5" SAS/SATA drive bays 12 top-loading hot-swap 3.5" SAS/SATA drive bays 4 rear hot-swap 2.5" NVMe drive bays 2 rear hot-swap 2.5" SATA drive bays
M.2	2 M.2 NVMe/SATA slots (M-key 2280/22110)
System Cooling	
Fans	4 Heavy Duty 8cm Fan(s)
Air Shroud	1 Air Shroud
Power Supply	
QtyWithPsu	2x 1600W
Description	2x 1600W Redundant Titanium Level (96%) Hot-plug power supplies
Dimension (WxHxL)	73.5 x 40 x 203 mm
Input	1000W: 100-127Vac 1000W: 100-127Vac / 50-60Hz 1600W: 200-240Vac 1600W: 200-240Vac / 50-60Hz
+12V	- Max: 83.3A / Min: 0A (100Vac-127Vac) - Max: 83A / Min: 0A (100Vac-127Vac) - Max: 133A / Min: 0A (200Vac-240Vac)
12V SB	Max: 2.1A / Min: 0A
Output Type	Backplanes (gold finger)
Certification	 Titanium Level [Test Report]
Operating Environment	
ROHS	RoHS Compliant

Environmental Spec.	• Operating Temperature: 10°C to 35°C (50°F to 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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