

SG-SR7024/36

24/36 HDD 4U Storage Server



Features

- Supports two high-performance AMD EPYC 9004 (Genoa) series processors
- Massivememory, supports 24 DDR5 memory slots
- Richexpansion, supports 10 PCIe 5.0 expansion slots
- Modular design, multiple combinations of PCIe and hard drive options

Introduction

The AMD 4U dual-socket high-end server is a widely used 4U dual-socket rack server launched to meet the needs of the Internet, IDC (Internet Data Center), cloud computing, enterprise market and telecommunications business applications. Suitable for IT Core business, cloud computing, virtualization, high-performance computing, distributed storage, big data processing, enterprise or telecommunications business applications and other complex workloads. The server has the advantages of good versatility, low energy consumption, strong scalability,high reliability, easy management, and easy deployment.

Product Overview

Modular design

General rackmount chassis; a variety of modular rear windows for rapid response to customer needs; fans, power supplies, and hard drives are all modular designed to improve system reliability and heat dissipation, and facilitate future maintenance.

Strong scalability

Supports 8 PCIe5.0 and 2 PCIe4.0 high-speed expansion slots to provide rich expansion capabilities. Multiple 12Gb SAS/SATA adaptive back-planes are available, offering flexibility and convenience. Customized expansion requirements are available for customers via adapter cards.

High performance

Support two AMD EPYC 9004 (Genoa) series processors; support 24 DDR5 memory slots; support 4800 4400 DDR5 RDIMM memory slots; motherboard supports NVMe(M.2) cache interface to meet high computing requirements for cloud computing, big data, and virtual computing.

Intelligent power supply and temperature control

Adopt 1+1 redundant power supply, support hot-swap replacement, and ensure the stability of the system; adopt intelligent temperature-controlled fan module, support hot-swap replacement, and has excellent shock resistance design.



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Product series	SG-SR7024	SG-SR7036
Product type	4U 24-bay	4U 36-bay
System size	798*433.4*176.5mm (depth *width*height)	
Processor	Supports two AMD EPYC 9004 (Genoa) series processors	
Memory	24 DDR5 memory slots, support 4800 4400 DDR5 RDIMM ECC memory	
Internal storage interface	Onboard 3 MiniSAS SFF-8643 connectors, 2 SATA interfaces, 2 M.2 interfaces (PCIe X4 signal, 2280/22110), 2 slimline x8 (PCIe4.0 x8 signal) interfaces	
External hard drive	24 hot-swappable 3.5/2.5-inch SAS/SATA hard drives, optional 2*2*3.5-inch SAS/SATA or 2*2*2.5-inch SAS/SATA or U.2 hard drives in the rear.	24+12 hot-swappable 3.5/2.5-inch SAS/SATA hard drives, optional 2*2*3.5-inch SAS/SATA or 2*2*2.5-inch SAS/SATA or U.2 hard drives in the rear.
External port	Front: 2 USB3.0	
	Rear: 1 VGA, 1 COM port, 2 USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports	
*PCIe expansion form	Supports 6*PCIe full-height slots, 4*PCIe half-height slots, 1*OCP 3.0 card slot	
*PCIe expansion specification	Riser1/Riser2: 1*PCIe x16+2*PCIe x8, 2*PCIe x16 Riser3: 2*PCIe x8, 1*PCIe x16 Riser4: 1*PCIe x16, 2*PCIe x8 OCP: 1*OCP3.0	
Safety	Supports TPM module	
Power supply	Supports 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapted according to actual power)	
Fan	Standard 8*8038 hot-swappable N+1 redundant fans, optional 8056 hot-swappable N+1 redundant fans	
IPMI	IPMI2.0	
Management port	1 dedicated RJ45 management network port	
Certification	CCC	
RoHS	Comply with RoHS2.0	
Working temperature and humidity	Temperature 5 °C ~ 35 °C/humidity 20 % ~ 80%RH non-condensing	
Storage temperature and humidity	Short-term storage (≤72H): temperature -40°C ~ 70°C/ humidity 20% ~ 90%RH Non-condensing (including packaging)	
	Long-term storage(>72H) : temperature 20 °C ~ 28 °C/ humidity 30 % ~ 70 %RH Non-condensing (including packaging)	

* Please consult technical support when using PCIe 5.0 devices.