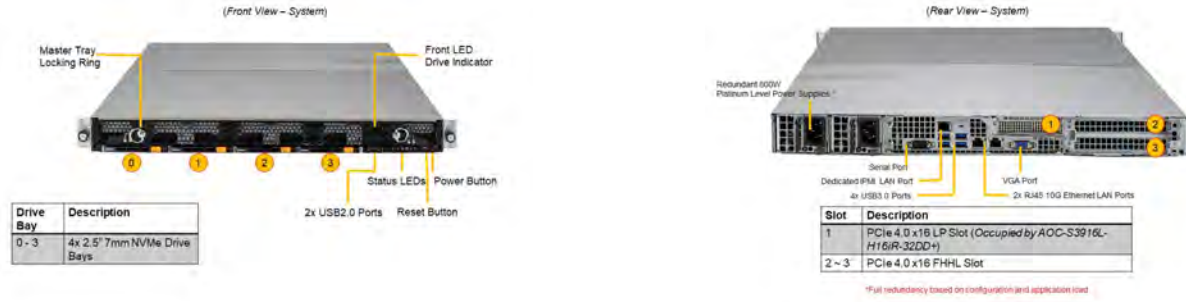# Storage A+ Server ASG-1014S-ACR12N4H

Key Applications

Database Applications, Hyperscale Data Center, Object Storage, Big Data Analytics, Scale-Out Density, Hadoop & Ceph storage solutions, Scale-out NAS,

Key Features

- Single AMD EPYC™ 7003/7002 Series Processor (7003 Series Processor drop-in support requires BIOS version 2.0 or newer);
- 16 DIMMs; Up to 4TB 3DS ECC Registered DDR4-3200MHz RDIMM/LRDIMM;
- 2 PCIe 4.0 x16 (FHHL) Slots, 1 PCIe 4.0 x16 (LP) Slot;
- 2x 10GBase-T LAN Ports via Broadcom BCM57416 Controller;
- 12x 3.5" SAS3/SATA3 Hot-Swap Drive Bays, 4x 2.5" 7mm U.2 NVMe Hot-Swap Drive Bays;
- 800W Redundant Power Supplies Platinum Level High-efficiency (Full redundancy based on configuration and application load.);
- RAID support via Broadcom® 3916;
- 1 VGA, 1 COM, 4 USB3.0 (4 Rear, 1 Type A), 2 USB2.0 (2 Front);

Form Factor	1U Rackmount Enclosure: (17.6" x 1.7" x 37") Package: (27" x 12" x 53.15")
Processor	AMD EPYC™ 7003/7002 Series Processors Single Socket Socket SP3 supported TDP up to 240W;
System Memory	16 DIMM slots Up to 4TB ECC RDIMM/LRDIMM, DDR4-3200MHz
Drive Bays	12x 3.5" hot-swap SATA3/SAS3 drive bays 4x 2.5" 7mm drive bays 2 M.2 NVMe M-Key, 22110
Expansion Slots	1 PCIe 4.0 x16 LP slot(s) 2 PCIe 4.0 x16 FP slot(s)
On-Board Devices	Chipset: System on Chip Network Connectivity: 2x 10GbE BaseT with Broadcom IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Input / Output	LAN: 1 RJ45 Dedicated IPMI LAN port
	     2 RJ45 10GBase-T LAN Ports
	USB: 2 USB 2.0 port(s) (2 Front_USB)
	     4 USB 3.0 port(s) (4 Rear_USB)
	Video: 1 VGA port(s)
	Serial Port: 1 Serial

System Cooling	6x 4cm heavy duty fan(s)
Power Supply	800W 1U redundant power supply Dimension (W x H x L): 54.5 x 40 x 220 mm Output Type: Gold Finger Connector
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	SuperDoctor® 5; Watch Dog; IPMI 2.0; SUM; KVM with dedicated LAN

PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory
	    4+1 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

Dimensions and Weight	Height: 1.7" Width: 17.6" Depth: 37" Gross Weight: 58 lbs (26.3 kg) Net Weight: 39.5 lbs (17.9 kg) Packaging: 12" x 27" x 53.15" Available Color: Black
Operating Environment	ROHS: RoHS Compliant 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)
Motherboard	Super H12SSW-NTR
Chassis	CSE-802TS-R804WBP