

SC6110

2U, 32 E3 Drive Bay, PCIe® Gen 5 High Availability Storage Controller



SC6110 is a next-generation 2U rackmount all-flash storage controller for the enterprise. It is powered by two AMD EPYC™ 9004 series of high-performance microprocessors based on the Zen 4 microarchitecture and supports up to 32 dual-port E3.S PCIe Gen 5 solid state drives (SSDs). The SC6110 delivers extreme performance with high availability for the most demanding enterprise application workloads.

The platform is ideal for:

- AI
- File Shares
- Database
- Virtual Desktop
- Online Transaction Processing (OLTP)
- High Performance Computing (HPC)
- High Frequency Trading (HFT)

FEATURES

- 2U chassis, fits 19" rack
- 2x hot-swap computing nodes
- 32x E3.S PCIe Gen 5 NVMe SSDs
- Dual redundant power supplies
- 2x PCIe Gen 5 (x16) low profile slots per node + 2 PCIe Gen 5 (x8) slot
- Battery Backup Unit (BBU) available for node power in the event of AC power loss

NODE FEATURES

- Built in socket support for AMD's EPYC 9004 series of high-performance microprocessors based on the Zen 4 microarchitecture
- 12x DDR5 DIMMs
- Support BMC (ASPEED AST2600)
- 4x Standard HHHL PCIe Gen 5 slots
- 2x PCIe Gen 5 x16 slots + 2x Gen 5 x8 slot
- 2x 10GbE RJ45 + 1x 1GbE RJ45 (for BMC)
- 1x USB3.0 ports
- 1x Service port (USB Type-C)



Enterprise-Class Quality. Cloud Economics.

POWER AND COOLING

Two 2400W to 3000W (Titanium 80+ efficiency)
CRPS power supply units

200-240Vac, 47-63 Hz

1+1 redundant, hot-swappable

14, 40 mm x 56 mm fan, hot-swapped with compute nodes (7 per node)

PHYSICAL DIMENSIONS

Height: 87.6 mm (3.43")

Width: 446.4 mm (17.56")

Depth: 891 mm (35.08")

ENVIRONMENTAL: OPERATING

Temperature: 5°C to 35°C

Humidity: 8% to 80% RH

Altitude: 0 to 950 m (De-rate temperature 1°C per 300 m above 950 m)

Shock: 10G, 5ms half sine pulse width

Vibration: 0.278 Grms; 5 ~ 500Hz; random vibration spectrum

Sound Power: (23+/- 2°C) <=8.6 Bels

ENVIRONMENTAL: NON-OPERATING

Temperature: -40°C to 60°C

Humidity: 8% to 95% RH

Altitude: 0 to 12,000 m

Shock: 35G, 152 in/sec; Trapezoidal Shock

Vibration: 1.04 Grms with Power Spectrum;
2 ~ 200 Hz; (transit)

APPLICATION TOPOLOGY

Address mainstream applications with AMD's EPYC™ 9004 series of high-performance microprocessors per node

Extremely low latency and high bandwidth

Delivers 983.04TB using 30.72TB NVMe SSD (x 32)

4x standard HHHL PCIe Gen 5 cards

2x PCIe Gen 5 x16 slots + 2x Gen 5 x8 slot

1x USB 3.0

1x USB Type-C (Service Port)

2x 10GbE RJ45 + 1x 1GbE RJ45 (for BMC)

1x VGA port

APPROVALS

EMC: EN 55032 Class A, EN55035, EN 61000-3-2
EN 61000-3-3, FCC part 15 Class A, VCCI Class A
ICES-003 Class A, GB/T9254 Class A

Safety: IEC/EN/UL/CSA 62368-1, GB4943

Environment: RoHS, REACH, WEEE, ERP Lot9X

Note: All specifications and figures are subject to change without prior notice.