



SC4200 (Athena G2)

2U 24 SSD High Availability NVMe All-Flash PCIe® Gen 4 Storage Controller



SC4200 is a next-generation 2U rackmount all-flash storage controller for the enterprise. It is powered by two Intel® Xeon® computing nodes and supports up to 24 dual-port PCIe Gen 4 solid state drives (SSDs). The SC4200 delivers high levels of performance and system availability.

FEATURES

- 2U chassis, fits 19" rack
- 2x hot-swap computing nodes
- 24x PCIe Gen4 NVMe SSDs
- Dual redundant power supplies
- 4x PCIe (x16) low profile slots per node
- Optional on-board BBUs available for node power in the event of AC power loss

NODE FEATURES

- Dual third generation Intel Xeon Scalable processors, socket LGA4189
- 16x DDR4 DIMMs support RDIMM/LRDIMM with 2x Barlow Pass Optane® Persistent Memory
- Support BMC (ASPEED AST2500)
- 4x PCIe Gen4 x16 slots
- 2x 10GbE LAN (RJ45)

POWER AND COOLING

- Two 2400W (Titanium 80+ efficiency) CRPS power supply units
- 200-240Vac, 47-63 Hz
- 1+1 redundant, hot-swappable
- 12, 40 mm x 56 mm fan, hot-swapped with Compute nodes (6 per node)

PHYSICAL DIMENSIONS

- Height: 87.6 mm (3.45")
- Width: 446.4 mm (17.58")
- Depth: 825 mm (32.5")

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



Enterprise-Class Quality. Cloud Economics.

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)

Sound Power: (23+/-2°C) <8 Bels

APPLICATION TOPOLOGY

Address mainstream applications with dual third generation Intel® Xeon Scalable processors per node

Extremely low latency and high bandwidth

Delivers 384TB using 16TB NVMe SSD

4x PCIe x16 slots available in low profile/HHHL

2x USB 3.0

VGA, Audio Jack UART, Type-C USB UART

2x 10GbE LAN connectors

APPROVALS

EMC: EN 55032 Class A, EN55024, 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 Lot9

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