

StorageScaler 7000

High Density Enclosure - 6Gb/s

The StorageScaler 7000 high density drive enclosure delivers performance and scalability enhancements to the S2A9900 and SFA10000 storage platforms. Designed for compute-intensive applications with high IOPS and bandwidth requirements, the StorageScaler 7000 delivers the high performance and availability required for today's multi-core application sets.

Enterprise-Class Availability

Data Direct Networks (DDN) third-generation high-density architecture, the StorageScaler 7000 drive enclosure enhances the S2A9900 and SFA10000 systems' ability to handle the massive data requirements of content intensive and high performance computing (HPC) applications.

The StorageScaler 7000 provides multiple, redundant 6Gb/s SAS interfaces to the controllers and internal data paths to SSD, SAS or SATA disk drives. Resiliency features include: redundant power, cooling and drive paths – even to single port SATA disk drives providing highly available storage for DDN's S2A9900 and SFA10000 storage platforms,

Maximized Performance, Density and Storage Efficiency

The StorageScaler 7000 provides 96Gb/s of internal bandwidth to enable more throughput per unit of rack space while maintaining the industry leading capacity of 60 drives within a smaller footprint. This increased performance translates into a no compromise, flexible, tiered storage solution optimized for both application performance and availability of data.

Intermixing high-performance SSD and SAS drives with high-capacity SATA drives ensures that data resides on the drive technology that best meets its requirements and provides the flexibility to migrate drive technology along with varying application needs.

The StorageScaler 7000's enclosure-level drive intermixing and exceptional per-drive performance reduces the number of drives needed to meet growing performance and capacity demands—lowering both acquisition and operational costs. Scaling to 60 drives in a single 4U rack mount enclosure and the ability to combine SATA, SAS and SSD drives, the StorageScaler 7000 is a differentiated solution that is perfect for diverse workloads and a wide range of requirements.



HIGHLIGHTS

- ▶ Third Generation High-Density Enterprise SBOD
- ▶ 60 Drive, 4U Standard Depth Enclosure
- ▶ 6Gb/s SAS Infrastructure
- ▶ SSD (2.5" & 3.5"), SAS and SATA drives
- ▶ 96Gb/s Internal SAS Data Paths
- ▶ In band and Out of Band Management

| System Specifications | |
|--|---|
| Enclosure Form Factor | 4U Rack Mount 19" EIA0310 |
| Drive Support | 6Gb/s or 3Gb/s, SAS and SATA HDDs or SSDs |
| Drive Form Factor | 3.5" or 2.5" |
| Maximum Number of Drives | 60 |
| Number of SAS IO Modules | 2 |
| Number of SAS Ports per Module | Four 6Gb/s SAS 4x wide ports via four SFF-8088 connections |
| Hot Swap and Redundancy | |
| IO Modules | Hot Swap, Redundant |
| Disk Drives | Hot Swap |
| Power Supplies | Hot Swap, Redundant |
| Fans | Hot Swap, Redundant |
| SAS Paths | Fully Redundant to the Drives |
| Notifications and Monitoring | |
| LED Indicators | Drive, PSU and Enclosure LED Fault Indicators, Cover Open and Enclosure Identity Indicators |
| Enclosure Management | In band (SES) or Out of band (IPMI) enclosure management |
| Audible Alarm | Drive Bay Open Fault |
| Physical Specifications | |
| Height | 6.97" (177 mm) |
| Width | 16.56" (420.6 mm) |
| Depth without bezel and cable management arm | 34" (863.6 mm) |
| Depth with bezel and cable management arm | 38" 965.2 mm |
| Weight | Approximately 215 lbs with drives installed (105 lbs without drives) |
| Input Voltage | 190-264 VAC - 1865W Power Supply |
| Input Frequency | 47 – 63 Hz and 400 Hz |
| Environment | |
| Operating Temperature | 5°C to 35°C (41°F to 95°F) |
| Relative Humidity | 20% to 80% non-condensing |
| Altitude | -200 ft to 10,000 ft (-61m to 3048m) |
| Safety | |
| Agency Certifications | UL, cUL, CE, FCC |