

# StorageScaler™ 7000

High Density Enclosure - 6Gb/s



The StorageScaler 7000 high density drive enclosure delivers performance and scalability enhancements to the S2A9900 and SFA10K 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

This DataDirect Networks (DDN) third-generation high-density architecture enhances the S2A9900 and SFA10K 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 and SFA storage platforms.

## MAXIMIZED PERFORMANCE, DENSITY AND STORAGE EFFICIENCY

96Gb/s of internal bandwidth enables 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 zero 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.

Revolutionary 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

6Gb/s SAS Infrastructure

96Gb/s Internal SAS Data Paths

60 Drive, 4U Standard Depth Enclosure

SSD (2.5" & 3.5"), SAS and SATA drives

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 lb 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
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## ABOUT DDN®

DataDirect Networks (DDN) is the world's leading big data storage supplier to data-intensive, global organizations. For more than 15 years, DDN has designed, developed, deployed and optimized systems, software and solutions that enable enterprises, service providers, universities and government agencies to generate more value and to accelerate time to insight from their data and information, on premise and in the cloud. Organizations leverage the power of DDN technology and the deep technical expertise of its team to capture, store, process, analyze, collaborate and distribute data, information and content at largest scale in the most efficient, reliable and cost effective manner. DDN customers include many of the world's leading financial services firms and banks, healthcare and life science organizations, manufacturing and energy companies, government and research facilities, and web and cloud service providers. For more information, visit our website [www.ddn.com](http://www.ddn.com) or call 1-800-837-2298.