



## CoreStor SAS Series Storage System

**The affordable choice for deployments where cost/performance (IOPS) is primary consideration.**

CoreStor SAS array series is a 6Gb/s directly connected solution for performance-driven external storage environments. It features two 6Gb mini SAS wide ports (6Gb x 4 Links) for host connectivity per controller enabling a faster data transfer rate and adding crucial bandwidth. Providing high availability data access, it offers advanced functionality, including online RAID level migration, online capacity expansion and global hot spare. CoreStor SAS array series provides a new level of reliability and availability to businesses that are seeking to attain maximum performance and scale from their applications.

### KEY FEATURES

Dual Core RAID on chip (ROC) 800Mhz Storage Processor.

Advanced PCI-Express Gen3.0 bus architecture.

Up to 8GB on-board ECC cache memory.

SAS 2.0 backplane, 6Gb/s, full duplex data transfer rate.

2 x 6Gb/s miniSAS ( 4 X links) for Host Interface per controller and support for 6Gb SAS/SATA HDD.

Supports up to 122 SAS/SATA devices with JBOD enclosures (SAS Expanders).

Optional Battery Backup module preserves cache contents during power failure.

### OVERVIEW

CoreStor SAS arrays address the challenge of storing and managing rapidly increasing amounts of data with limited resources and budgets. With 6Gb/s support, they can be easily connected and deployed to simplify external storage scale management. CoreStor SAS arrays come in a 2U, 3U or 4U form factor, and drives can be mixed and matched as needed.

Affordable:

- Optimal solution when cost per GB is a key requirement.
- More capacity/performance for your budget.

Easy to setup and easy to manage:

- Intuitive RAID management utilities make it easy to configure, monitor, and manage array performance through Web GUI, LCD control panel, or RS-232 port.

Scalable:

- Add Disk Enclosures as needed to boost capacity
- Room to grow as your storage demands increase.
- Allows for expansion up to 122 drives.

Energy efficient:

- 80 PLUS power supplies.
- Drive Spin Down to lower the power consumption.

### RAID Features

- OS / Host independent.
- Hot-swappable components to ensure continuous operation.
- Supports global and dedicated hot spare with automatic hot rebuilding and automatic drive (insertion / removal) detection.
- Online Capacity Expansion.
- Supports RAID 0, 1, 0+1, 3, 5, 6, 30, 50, 60 and JBOD modes.
- Fast failover performance and high data availability with optional dual controllers.
- Online RAID Level / Stripe Size Migration.
- Supports up to 128 LUNs per controller.
- Supports 64 bit Logical Block Addressing (LBA).
- Write-through and write-back cache support.
- NVRAM transaction log.
- Hardware ASIC for RAID 6 parity calculation offload pushes I/O.

### Available models

Form	Drive Bays	Controllers	
		Single	Dual
2U	12-bay	2712X	2712XR

  

Form	Drive Bays	Controllers	
		Single	Dual
2U	24-bay	2724X	2724XR

  

Form	Drive Bays	Controllers	
		Single	Dual
3U	16-bay	3716X	3716XR

  

Form	Drive Bays	Controllers	
		Single	Dual
4U	24-bay	4724X	4724XR



Form	4U	3U	2U
<b>Host Interface</b>	Dual miniSAS (4x6Gb) ports per controller		
<b>Disk Interface</b>	24 x 6Gb SAS / 6Gb SATA drives	16 x 6Gb SAS / 6Gb SATA drives	12 x 6Gb SAS / 6Gb SATA drives
	Dual downstream miniSAS (4x6Gb) expansion ports per controller		
<b>Supported Drives</b>	All 3.5" SATA and SAS drives from 1Tb to 8Tb are supported.		
<b>Operating System</b>	<b>Single controller:</b> OS independent and transparent. <b>Redundant controller:</b> MPIO (Multipath I/O) driver required. <b>Supported OS:</b> Windows 7 and Windows 8 / Windows Server 2003, Server 2008, and Server 2012, Linux, FreeBSD, Solaris, Mac OS X 10.x		
<b>Power Supply</b>	3 redundant power modules	2 redundant power modules	
	Redundant 500W / 80 Plus energy-efficient power modules with PFC, load sharing and cable-less design.		
<b>Electrical</b>	AC Voltage 100-240 VAC / AC Frequency 50-60Hz		
<b>Temperature</b>	Operating temperature: 5 to 35 degree C. Non operating temperature: -40 to 60 degree C.		
<b>Relative Humidity</b>	20% to 80% non-condensing		
<b>Dimensions</b>	446.5mm(W) x 517mm(D) x 4U	446.5mm(W) x 517mm(D) x 3U	446.5mm(W) x 517mm(D) x 2U