

CoreStor™



CoreStor iSCSI Series Storage System

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

CoreStor iSCSI series arrays are designed and equipped with fully redundant components. RAID controllers, power supplies, fan modules, battery backup modules and SAS JBOD expansion ports are hot-swappable to provide run-time critical services that require high availability, such as Cloud Storage, SQL Databases, Exchange, and Video Surveillance. The arrays are VMWare, Hyper-V, Citrix Ready and are ideal for virtualization environments.

KEY FEATURES

Fully redundant & hot pluggable: RAID controllers, power supplies, fan modules, battery backup modules and expansion ports.

Hardware iSCSI offloaded engine.

Advanced data protection: RAID 6, 60, Writeable Snapshots, Windows VSS support, Remote Replication, Volume Cloning.

Flexible volume management for multiple environments: Virtualization (VMWare, Hyper-V, Citrix), Cloud Storage, SQL Databases, Exchange, Video Surveillance, Backup, Email, Boot from SAN.

High connection availability: load balancing & failover.

Supports up to 256 SAS/SATA drives with JBOD enclosures.

Global and dedicated hot spare.

Host Interface Highlights:

- Jumbo frame
- Header/Data digest
- CHAP authentication / Virtual LAN
- Role-based access control / Active directory
- Up to 128 multiple nodes support / Up to 128 hosts support
- Up to 1024 sessions per controller

RAID and Volume Highlights:

- RAID level 0,1, 0+1, 3, 5, 6,10, 30, 50, 60, JBOD, N-way mirror
- Up to 4096 logical volumes / Up to 64 drives per volume group
- One logic volume can be shared by as many as 16 hosts
- Write-through or write-back cache policy
- Online volume expansion / Auto volume rebuilding
- Instant RAID volume availability
- Online volume migration without system down time

High Availability Highlights:

- Dual-active RAID controller
- Cache mirroring through high bandwidth channels
- Flexible RAID group ownership management
- Management port seamless take-over
- Online firmware upgrade, no system down time
- Multi-path & load-balancing (MS MPIO, MC/S, Trunking, LACP)

Advanced Data Protection Highlights:

- Remote replication / Writable snapshots / Volume Cloning
- Microsoft Windows Volume Shadow Copy Services (VSS)
- Configurable N-way mirror / Online disk roaming
- Instant volume restoration
- Hot-swappable battery backup module (BBM)

Available models

Host	Form	Processor	Cache	Controllers	
				Single	Dual
2x10GbE / 2xGbE iSCSI + 1 x management port	2U 12-bay	Intel Xeon	4Gb (to 16Gb)	2712L	2712LR
		Intel	4Gb (to 8Gb)	2712Q	2712QR
6xGbE iSCSI + 1 x management port	2U 12-bay	Intel Xeon	4Gb (to 16Gb)	2712K	2712KR
		Intel	4Gb (to 8Gb)	2712P	2712PR
2x10GbE / 2xGbE iSCSI + 1 x management port	3U 16-bay	Intel Xeon	4Gb (to 16Gb)	3716L	3716LR
		Intel	4Gb (to 8Gb)	3716Q	3716QR
6xGbE iSCSI + 1 x management port	3U 16-bay	Intel Xeon	4Gb (to 16Gb)	3716K	3712KR
		Intel	4Gb (to 8Gb)	3716P	3716PR
2x10GbE / 2xGbE iSCSI + 1 x management port	4U 24-bay	Intel Xeon	4Gb (to 16Gb)	4724L	4724LR
		Intel	4Gb (to 8Gb)	4724Q	4724QR
6xGbE iSCSI + 1 x management port	4U 24-bay	Intel Xeon	4Gb (to 16Gb)	4724K	4724KR
		Intel	4Gb (to 8Gb)	4724P	4724PR
2x10GbE / 2xGbE iSCSI + 1 x management port	4U 60-bay	Intel Xeon	8Gb (to 16Gb)	4760L	4760LR
		Intel	4Gb (to 8Gb)	4760Q	4760QR
6xGbE iSCSI + 1 x management port	4U 60-bay	Intel Xeon	8Gb (to 16Gb)	4760K	4760KR
		Intel	4Gb (to 8Gb)	4760P	4760PR
2x10GbE / 6xGbE iSCSI + 1 x management port	3U 16-bay	Intel	4Gb (to 8Gb)	3716V	
6xGbE iSCSI + 1 x management port	3U 16-bay	Intel	4Gb (to 8Gb)	3716U	
2x10GbE / 6xGbE iSCSI + 1 x management port	4U 24-bay	Intel	4Gb (to 8Gb)	4724V	
6xGbE iSCSI + 1 x management port	4U 24-bay	Intel	4Gb (to 8Gb)	4724U	



Form	4U	3U	2U
Host Interface	2x10GbE iSCSI / 2xGbE iSCSI + 1 x management port		
	2x10GbE iSCSI / 6xGbE iSCSI + 1 x management port		
	6xGbE iSCSI + 1 x management port		
Disk Interface	24(60) x 6Gb SAS / SATA	16 x 6Gb SAS / SATA	12 x 6Gb SAS / SATA
Supported Drives	All 3.5" SATA and SAS drives from 1Tb to 6Tb are supported.		
Power Supply	3 redundant power modules		2 redundant power modules
	Redundant 550W (700W for 60 bay) / 80 Plus Gold energy-efficient power modules		
Electrical	AC Voltage 100-240 VAC / AC Frequency 50-60Hz		
Dimensions	19" (W) x 20" (D) x 7" (H)	19" (W) x 20" (D) x 5.25" (H)	19" (W) x 20" (D) x 3.5" (H)
Weight	82 lbs (166 lbs- 60 bay)	73 lbs	60 lbs