



NexArray S16S-(G/R)2242 Storage Array

The NexArray S16S-(G/R)2242 Storage Array's offers hybrid SAS/iSCSI connectivity for remote replication and DAS/SAN consolidation, as well as leading performance and support for demanding business applications.

A Solid Workhorse

- **Enterprise-Class Data Protection And Outstanding Price-Performance:** The NexArray S16S-(G/R)2842 features four high performance SAS host channels that deliver enterprise performance and scalability; and dual hot swap redundancy, and iSCSI SAN connectivity for demanding environments. With up to 112 available SAS, SATA HDD or SSDs (in optimized tiered storage configurations) in a 3U high efficiency enclosure, the NexArray S16S-(G/R)2842 allows pay-as-you-grow scalability; no waste on what you don't need, and no worries about what you will need. The NexArray S16S-(G/R)2842 is ideal for a broad range of DAS deployments. In addition, storage management has never been easier. Necessary functions to configure, manage and monitor single or multiple arrays are only a few clicks away via easy, secure SSH web management.
- **Protects and Maintains Data Availability with Minimal Downtime:** The NexArray S16S-(G/R)2242 features dual redundant hot swappable controllers with protected cache, drives, and key components eliminate single point of failure. Hardware RAID protection also ensures data accessibility during drive failure. The NexArray S16S-(G/R)2242 also supports snap shot and replication for local and offsite protection.
- **Contributes to Environmental Sustainability:** the NexArray S16S-(G/R)2242 boosts energy cost savings while maintaining cutting-edge performance by incorporating energy efficient power supplies, dynamic cooling, and intelligent multi-level drive spin down operation.

NexArray S16S-(G/R)2242 Storage Array

Host Ports	2x 6Gb/s SAS Channels & 2x 1Gb Ethernet Ports Per Controller
Storage Controller	Single or Dual Controller Models
Cache Memory	Default 2GB, Expandable up to 8GB Optional Cache Protection
RAID Levels	0, 1,0+1, 3, 5, 6, 10, 30, 50, 60
Enclosure	3U16 Head Node, 3U16 Expansion Enclosures Available
Device Interfaces	6Gb SAS SATA Single Channel, Dual Channel Optional
Disk Capacities	80GB, 160GB, 30GB, 600GB SSD, 146GB, 300GB 15000 RPM SAS, 500GB, 1TB, 2TB, 3TB 7200RPM SATA, in mixed system
Maximum Number of Drives	Up to 112 Drives Fully Expanded
RAID Functionality	Global, Dedicated Or Enclosure Hot-Spare RAID Migration
Data Management Services	Optional Thin Provisioning Local Replication (Available with Standard License and Optional Advanced License) Snapshot Volume Copy/ Mirror
Green Design	80+ Certified Power Supplies Delivering More Than 80% Energy Efficiency Intelligent Multi-Level Drive Spin-Down
Availability and Reliability	Redundant, Hot-Swappable Hardware Modules Cachesafe Technology (Optional Flash Backup Module Required to Activate Cachesafe Technology) Multi-Pathing Support (Eonpath) Device Mapper Support
Notification	Various Event Notification Methods Including Email, LAN Broadcast, Fax, SNMP Traps, SMS, & MSN
Management	Java-based SANWatch Management Software RS232 Serial Port For Local Access to Firmware-Embedded Utility Telnet and SSH System Monitoring Via Ethernet Platform-Independent Firmware Management GUI LCD Keypad Panel For Monitoring and Access to All Configuration Options
OS Support	Windows Server 2003, Windows Server 2008 R2, RedHat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, Mac OS X, VMware
Power Supply	530W AC Power Supply w/ PFC 80+ Gold Certified
Form Factor	3U Rackmount Server Chassis
Dimensions (HxWxD) / Weight	5.25" x 17.91" x 20.24" / 133mm x 455mm x 514mm 43.7lbs. / 19.8kg (Without Drives)
Operating Environment	Operating Temperature: 10° to 35° C (50° to 95° F) Non-Operating Temperature: -40° to 70° C (-40° to 158° F)



7669 Limestone Drive
Gainesville, VA 20155
Toll-Free: 1 (888) RING-NCS
Voice: (703) 743-8500 / Fax: (703) 621-1701
www.ncst.com