



NexArray S12S-(G/R)2240-4 Storage Array

Featuring enterprise-class data protection and outstanding performance, the NexArray S12S-(G/R)2240-4 Storage Array enables regional and field offices to easily deploy a direct-attached storage (DAS) environment and can help generate significant business productivity and growth.

Excellent Performance Density For Demanding Business Applications

- **Ideal For a Broad Range of DAS Deployments:** The NexArray S12S-(G/R)2240-4 is a 6Gb/s SAS storage system supporting 12 3.5” drives in a 2U enclosure with single or dual hot swap controllers. High performance 6Gb SAS controllers deliver enterprise performance and scalability, with dual hot swap redundancy. The NexArray S12S-(G/R)2240-4 features up to 8 Fast Wide 6Gb Channels and with up to 84 SAS, SATA HDD or SSDs in optimized tiered storage configurations, you can mix 2.5” and 3.5” expansion enclosures in tiered storage configurations. In addition, the NexArray S12S-(G/R)2240-4 provides easy, secure SSH web management of single or multiple arrays.
- **Protects and Maintains Data Availability With Minimal Downtime:** The NexArray S12S-(G/R)2240-4 features high-availability hardware designs with redundant, hot-swappable hardware components, such as RAID controllers, power supplies and cooling fans, to eliminate single point of failure. Hardware RAID protec-

tion ensures data accessibility during drive failure. In the event of a power outage, the NexArray S12S-(G/R)2240-4 automatically leverages the power of the battery backup unit (BBU) to safeguard cached data by writing it to a flash module for permanent retention. To protect valuable data sets against more critical threats, the NexArray S12S-(G/R)2240-4 also supports snapshot and volume copy/mirror features.

- **Contributes to Environmental Sustainability:** The NexArray S12S-(G/R)2240-4 includes energy efficient power supplies, dynamic cooling, and intelligent multi-level drive spin down operation; enabling energy cost savings while maintaining cutting-edge performance.

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Host Ports	Four 6Gb/s SAS 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	2U12 Head Node, 2U12 and 2U24 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 84 Drives Fully Expanded
RAID Functionality	Global, Dedicated Or Enclosure Hot-Spare
Data Management Services	RAID Migration 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	2U Rackmount Server Chassis
Dimensions (HxWxD) / Weight	3.5" x 17.56" x 20.24" / 89mm x 446mm x 514mm 38lbs. / 17.2kg (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)



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