



NexArray B24S-(G/R)2242 Storage Array

The NexArray B24S-(G/R)2242 delivers enterprise performance and scalability, dual hot swap redundancy, and iSCSI SAN connectivity for demanding environments.

Provides Enterprise-Class Performance With High-Density Configuration

- **Ideal For a Broad Range of DAS Deployments:** The NexArray B24S-(G/R)2242 is a 6Gb/s SAS & 1GB iSCSI hybrid storage system supporting 24 2.5" drives in a high density 2U enclosure with single or dual hot swap controllers. The NexArray B24S-(G/R)2242 features up to four Fast Wide 6Gb SAS & 4 1Gb Ethernet iSCSI host channels and combines high IOP SSDs with 15K 2.5" SAS drives in tiered storage configuration (up to 144 SAS, SATA HDD or SSDs in optimized tiered storage with the ability to mix 2.5" and 3.5" expansion enclosures). In addition, the NexArray B24S-(G/R)2242 provides easy, secure SSH web management of single or multiple arrays.
- **Protects and Maintains Data Availability With Minimal Downtime:** The NexArray B24S-(G/R)2242 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 B24S-(G/R)2242 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 B24S-(G/R)2242 also supports snapshot and volume copy/mirror features.

- **Contributes to Environmental Sustainability:** The NexArray B24S-(G/R)2242 incorporates energy efficient power supplies, dynamic cooling, and intelligent multi-level drive spin down operation. Simply stated, the NexArray B24S-(G/R)2242 boosts energy cost savings while maintaining cutting-edge performance.

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Host Ports	Two 6Gb/s SAS & Two 1 Gb 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	2U24 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 144 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	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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