

NEXSAN ISERIES™ ENTERPRISE ISCSI SAN

Who said you couldn't find an enterprise class iSCSI SAN with all the storage services, data protection and performance you need at a price you can afford?

STORAGE VIRTUALIZATION AND CONSOLIDATION

Nexsan iSeries™ is the perfect solution for server virtualization, databases, file storage, data consolidation and multiple data storage requirements where performance and scalability are a must and simple IP deployment is desired.

Nexsan iSeries, with complete storage services, gives users the ability to create and control 1000s of virtual volumes supporting multiple applications and storage pools simultaneously.

By reliably incorporating SAS and SATA in the same storage system, users no longer have to choose between a performance or capacity driven iSCSI SAN system. Separate storage pools can be created for the needs of different applications from databases to backup.

RESILIENT ARCHITECTURE

The Nexsan iSeries's unique multi-path – multi-access architecture provides continuous data access during network, system, connection or component outage. Nexsan iSeries controllers are independent active systems that can form a redundant cluster in which one iSeries controller can take over production for another.

All components are redundant and hot swappable for no single point of failure. Additional data protection is provided using RAID 5 or RAID 6.



DATA SHEET

COMPLETE STORAGE SERVICES

- All storage services are embedded onto the Nexsan iSeries including virtualization, snapshots, replication, mirroring, data migration and more

STORAGE VIRTUALIZATION

- Optimize storage utilization by creating volumes to meet the specific needs of different applications within the same system

EASY TO USE

- Automated management eliminates time consuming administrative tasks
- Deploy a complete SAN in minutes instead of hours

ENTERPRISE PERFORMANCE

- Place data and logs on separate physical RAID sets within the same system optimizing database performance
- Independent active/active SAN controllers

LOW COST SCALABILITY

- Scale capacity without having to purchase more SAN appliances

ULTIMATE FLEXIBILITY

- Combine SAS + SATA in the same chassis for the ultimate in application flexibility
- Share RAID storage with FC or NAS environments

INTEGRATED DATA PROTECTION AND REMOTE REPLICATION

Nexsan iSeries data protection services create an environment where data and sites are protected against loss. Users can create multiple read or read/write snapshots per volume, convert any snapshot into a production volume, recover an existing volume or perform non-disruptive backup.

Nexsan iSeries local mirroring and remote replication features maintain an exact copy of any volume. Local mirroring is designed for fast networks and maintains real-time copies of any volume within the same rack, datacenter or cross-campus environment.

Asynchronous replication is the perfect solution for organizations that require disaster recovery and business continuance across a long distance using any IP LAN, MAN or WAN. Nexsan iSeries replication continually replicates volume changes to another iSeries located at a remote site ensuring against damage to local volumes.

NEXSAN ISERIES

PRODUCT FAMILY

	200i	400i
Includes storage services	●	●
Number of iSCSI ports	2	3
Maximum number of servers	200	200
Scalable SAN capacity	up to 500TB	up to 1 Petabyte
Number of FC storage ports	2	4
Cluster Support	●	●
Power supplies	Single	Dual

HIGHLY AVAILABLE

- Unique multi-path – multi-access architecture provides continuous data access
- Fully redundant hot swappable components are designed for 99.999% availability

ENERGY EFFICIENT

- Industry leading energy efficiency delivering 'Speed with Green' with AutoMAID™ Technology

AFFORDABLE

- All storage services included
- No hidden costs or license fees

ISCSI SAN APPLIANCE

- Virtualization
- Snapshots
- Replication
- Mirroring
- GbE host ports
- Intuitive management

RAID STORAGE

- Up to 42 disks in 4U of space
- SAS+SATA
- flexibility
- 4 RAID engines
- 4GB cache
- AutoMAID™

EXPAND CAPACITY WITH PERFORMANCE

Unlike other iSCSI SAN solutions, each Nexsan storage system has its own independent performance engine, which includes up to 4GB of cache and 4 RAID engines. This allows users to increase capacity with performance without having to invest in more SAN appliances. With Nexsan, total cost of ownership will actually decrease as your company's data needs grow.

Increasing capacity is easy and non-disruptive. Simply attach another Nexsan storage system to the Nexsan iSeries appliance and you can immediately start using the additional capacity.

With an all-inclusive Tier 1 feature set combined with industry leading performance, reliability and energy efficiency, Nexsan iSeries is delivering the iSCSI SAN you need... at a price to meet your budget.

INDUSTRY LEADING ENERGY EFFICIENCY

Nexsan's exclusive technology, AutoMAID™, uniquely delivers 'Speed with Green' —the benefits of green without the limitations.

- Cut power and cooling costs up to 60%
- AutoMAID progressively migrates disks to idle state according to customizable periods of inactivity while providing near instantaneous access to data

STORAGE SERVICES

- Storage Virtualization
- Storage Consolidation
- Data Migration

DATA PROTECTION

- Local & Remote Snapshots
- Local Synchronous Mirroring
- Asynchronous Replication
- VSS Support & CLI
- Non-Disruptive Backup

HIGHLY AVAILABLE

- Fully Redundant Appliances
- Redundant Storage Access & RAID 6

SCALABLE

- Scale Capacity with Performance
- High Density Storage



DATA SHEET

NEXSAN ISERIES COMPARISON

	Nexsan iSeries	Other popular iSCSI SANs
Virtualization	●	●
Snapshots	●	●
Replication	●	●
Automated site failover	●	●
99.999 architecture	●	●
Single, intuitive interface	●	●
Automated integrity checks	●	●
Dual active/active SAN controllers	●	◐
Supports RAID 6	●	◐
Expandable RAID architecture	●	
AutoMAID™ energy savings	●	
High speed synch. mirroring	●	
SAS+SATA flexibility	●	
Share storage connectivity with NAS & FC	●	
Database optimization	●	