



iSCSI



iQ1250 iSCSI Storage System

iQstor's iQ1250 offers:

- **A familiar network technology that reduces training, management and operations cost**
- **Proven Ethernet transport infrastructure which increases reliability**
- **Protects investment by simple transition from 1Gb Ethernet to 10Gb**
- **Offers lower total cost of ownership (TCO) by bringing Ethernet economics to storage**

iQ1250 provides a cost-effective storage system for deployment in the following applications:

- **Data Protection** - Disk to disk backup and virtual tape
- **Server and Storage Consolidation** - Link multiple storage systems to servers to achieve better storage utilization.
- **Data Center Storage Networks** - Compatible with applications such as databases, web serving and e-mail
- **Expansion into Metro and WANs** - Centralize corporate data resources in one location for remote backup

Enterprise-Level Features – Affordable Price – Simple Installation

iQstor's iQ1250 iSCSI is ideal for organizations implementing entry-level SANs or migrating from Direct Attached Storage (DAS) to networked storage. The iQ1250 is a self-contained storage system that brings an intelligent, yet affordable solution to small and mid-sized companies.

Combining iQstor's proven enterprise-level features with cost-effective Serial ATA (SATA I & II) disk drives, the iQ1250 delivers efficient storage growth, scalability, data protection, storage automation and plug and play simplicity – at a price point that's dramatically less than comparable Fibre Channel solutions. The iQ1250 provides high density (up to 7.5TB) at a very low cost, offering an excellent price / performance for end-users.

iQ1250 iSCSI is Simple and Low Cost

iSCSI SANs offer a lower cost alternative to Fibre Channel for organizations that do not need very high performance. iSCSI is also inherently less complicated since it does not require specialized host adapters, switches and cables. Business can now use their existing Ethernet infrastructure to implement an IP SAN. With iQ1250, users can transport block data over TCP/IP to and from servers that are dispersed throughout the network and located at a long distance from the storage system.

iQ1250 successfully combines the benefits of Ethernet networks with those of networked storage. With the iQ1250, small to mid-sized companies can realize all the benefits of a SAN at an affordable price, together with integrated data services features such as volume manager based storage virtualization, snapshot, mirroring, policy based storage provisioning, capacity growth, SAN management and remote support.

> iQ1250 Storage System Specifications

System	
Storage Controller	Single or dual controllers per storage system
Host Interface	Two iSCSI (1 Gigabit ethernet) port per storage controller, Four ports per storage system
Parity Accelerator	Two embedded hardware accelerators
Cache Memory	512MB standard, 4GB maximum
Enclosure Management	Out-of-band through 10/100Mb Ethernet port
System Features	
Standard	System Manager (SYSM) Volume Manager based Virtualization (VMV) RAID levels 0, 1, 1+0, 3, 5, 50 On-line RAID expansion Multiple RAID sets Up to 1024 LUNs Hot swap disk drives Global hot spare disks Automatic drive failure detection and rebuild Automatic reallocation of bad sectors Active cache scrubbing
Optional	Managed Snapshot Services (MSS) Volume Copy Services (VCS) Intelligent Capacity Management (ICM) Remote Replication – Synchronous (RRS) Remote Replication – Asynchronous (RRA) Database Application Agents (DAA)
Drive Interface	
Connectivity	Serial ATA
Capacity/Form Factor	80/250/400/500GB 3.5", 1" high 7200RPM
Maximum Capacity per Enclosure	7.5TB with 15 x 500GB drives
Power and Cooling	
AC Input	90-260 VAC, 47-63 HZ, auto-ranging, PFC
DC Output	Dual 460 Watt
Cooling	Dual modules each with two blowers
Operating Environment	
Temperature	10°C to 40°C
Relative Humidity	20% to 80%
Certification	FCC/CISPR 22 Class A, UL/CUL, CE, CB, BSMI
Dimensions	
Rack Mount Unit	5.20" H x 17.58" W x 18.70" D 3U EIA high (19" rack mount)
Weight	36 kg. (79 lbs.)
Software	
iQstor SAN Manager	Local or remote management, monitoring and configuration
Host Platform Support	Microsoft Windows, Linux, Sun Solaris, Apple OS X, IBM AIX and HP-UX