iSCSI

iQ2850 iSCSI Storage System

iQstor's enterprise-level data protection features include:

- **Storage virtualization**
- **Snapshot**
- **Mirroring**
- **Remote replication**
- **Storage provisioning**
- **Automated capacity growth**

iQstor's iQ2850 offers low initial acquisition cost based on a pay-as-you-grow model. It provides a cost-effective storage system for deployment in the following applications:

- **Surveillance -** Cost-effective and high-performance 24x7 digital video surveillance and CCTV data storage
- **Server & Storage Consolidation** - Link multiple storage systems to servers to achieve better storage utilization
- **Centralized Backup** - Centralize corporate data resources in one location for remote backup

Enterprise-Level Features – Affordable Price – Simple Installation and Management

iQstor's iQ2850 is a scalable and feature-rich storage system tailored to fit performance and reliability required by today's demanding applications. iQstor's iQ2850 IP SAN delivers all the benefits of SANs, including increased storage utilization through storage consolidation, feature-rich managed data protection services and automated provisioning of new storage. iQstor's iQ2850 is an all-in-one, intelligent, yet cost-effective storage system that enables IT administrators to quickly and cost-effectively optimize storage solutions for changing application and network environments.

iQstor's iQ2850 supports up to fifteen disk drives and scales to 6TB with 400GB FC4 drives or 15TB with 1TB SATA drives, allowing the creation of very large tiered-storage IP SAN systems as needs arise. With fully redundant and hot swappable components such as RAID controllers, power supplies, cooling modules and disk drives the iQ2850 ensures reliability and high availability.

iQ2850 iSCSI is Simple and Low Cost

iSCSI SANs offer a lower cost alternative for organizations that want to consolidate multiple servers to achieve better storage utilization. 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 iQ2850, 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.

iQ2850 successfully combines the benefits of Ethernet networks with those of networked storage. With the iQ2850, companies can realize all the benefits of a SAN at an affordable price, together with integrated data protection features such as volume manager-based storage virtualization, snapshot, mirroring, remote replication, policy based storage provisioning, capacity expansion, SAN management and remote support.

iQstor®

> iQ2850 Storage System Specifications

System	
Storage Controller	Single or dual controllers per storage system
Host Interface	Four iSCSI Gigabit Ethernet ports per storage controller, eight ports per system with hardware TCP/IP Offload Engine (TOE)
Expansion Interface	Four 4Gb/s Fibre Channel SFP ports
Parity Accelerator	Four embedded hardware accelerators
Cache Memory	2GB standard, 8GB maximum
Cache Back Up	UPS cache vaulting and/or battery backup (up to 72 hours)
Enclosure Management	Out-of-band through 10/100Mb/s Ethernet port
System Features	
Standard	System Manager (SYSM) Volume Manager based Virtualization (VMV) RAID levels 0, 1, 1+0, 3, 5, 50, 6 On-line RAID expansion Multiple RAID sets Up to 1024 LUNs Tagged Command Queuing up to 256 Hot swap disk drives Global hot spare disks Automatic drive failure detection and rebuild Automatic reallocation of bad sectors Enterprise-level cache vaulting and active cache scrubbing
Optional	Managed Snapshot Services (MSS) Volume Copy Services (VCS) Remote Replication Asynchronous (RRA) Database Application Agents (DAA) Symmetrical Data Access (SDA) SAN Manager (SANM) Multipath Agent (MPA)
Drive Interface	
Connectivity	Four FC4 switched loops
Drive Type	73/146/300 GB 15K rpm FC4; 300/400GB 10K rpm FC4; 500/750GB/1TB 7200 rpm SATA II
Maximum Capacity per Enclosure	6TB with 15 x 400GB FC4 drives or 15TB with 15 x 1TB SATA II drives
Maximum Capacity per Subsystem	96TB with 240 x 400GB FC4 drives or 240TB with 240 x 1TB SATA II 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	10ºC to 40ºC
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)
OS Support	
Host Platform Support	Microsoft Windows, Linux, VMware

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