Fibre Channel

iQ2880 4Gb FC Storage System

iQstor's enterprise-level data services features include:

- **Storage virtualization**
- **Snapshot**
- **Mirroring**
- **Remote replication**
- **Storage provisioning**
- **Automated capacity growth**
- **Database Agents**
- **Multipath Agent**

iQstor's iQ2880 offers low initial acquisition cost based on a pay-as-you-grow model. It is well suited for Rich Media applications that require high performance and continuous availability, as well as business-critical applications that require 24/7 operation for uninterrupted business continuity.

Typical environments include:

- **Rich Media**
- **HD Digital film**
- **Broadcast/VOD**
- **Life sciences and healthcare**
- **Financial services**
- **Manufacturing**
- **Telecom Services**
- **Education**
- **Satellite/seismic imaging**
- **Internet content delivery**

High performance storage with enterprise-level features

The iQ2880 storage system from iQstor delivers the high performance and reliability required by today's demanding applications, at an affordable price. The iQ2880 combines enterprise-level features such as storage virtualization, snapshot, mirroring, remote replication, storage provisioning and automated capacity growth with fully redundant components, to deliver storage scalability, data protection, storage automation and management simplicity. And all this at a price point that's dramatically less than competing storage solutions on the market today.

Each iQ2880 supports up to fifteen Fibre Channel drives providing 4.5TB of storage capacity using 300GB disk drives or 15TB with 1TB SATA disk drives. This capacity can be easily and dynamically scaled to 240TB by attaching optional J2880 disk enclosure with FC or SATA disk drives to the iQ2880 storage system, creating a tiered-storage environment, with Fibre Channel drives for primary storage and SATA drives for secondary storage.

The iQ2880 delivers investment protection, cost-effectiveness and reliability for businesses that need a robust Fibre Channel storage solution with the availability, reliability, manageability, data integrity and enterprise-level functionality that is becoming standard requirement in a wide range of environments today, at exceptional value.

The iQ2880 is a full-featured storage system, providing maximum flexibility, scalability and reliability for business, large and small. With all key internal components being hot-swappable and redundant, the iQ2880 ensures dependable data protection and delivery to help keep business-critical applications running smoothly.

iQstor®

> iQ2880 Storage System Specifications

System	
Storage Controller	Single or dual controllers per storage system
Host Interface	Four 4Gb Fibre Channel SFP ports
Expansion Interface	Four 4Gb Fibre Channel SFP ports
Parity Accelerator	Four embedded hardware accelerators
Cache Memory	2GB standard, 4GB maximum
Cache Back Up	UPS cache vaulting and/or battery backup (up to 72 hours)
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, 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 Multipath Agent (MPA)
Optional	Managed Snapshot Services (MSS) Volume Copy Services (VCS) Intelligent Capacity Management (ICM) Remote Replication – Synchronous (RRS) Database Application Agents (DAA) Universal Multi-Path Driver (UMPD)

Drive Interface	
Connectivity	Four FC4 switched loops
Drive Type	73/146/300 GB 15K rpm FC4; 300/400GB 10K rpm FC4; 146/300 10K rpm FC2; 250/500/750GB/1TB 7200 rpm SATA II
Maximum Capacity per Enclosure	4.5TB with 15 x 300GB FC4 drives or 15TB with 15 x 1TB SATA II drives
Maximum Capacity per Subsystem	72TB with 240 x 300GB 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.)

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