

Fibre Channel



iQ2880 4Gb/s 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.

> iQ2880 Storage System Specifications

| System | |
|---------------------------------------|---|
| Storage Controller | Single or dual controllers per storage system |
| Host Interface | Four 4Gb/s Fibre Channel SFP ports |
| Expansion Interface | Four 4Gb/s 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/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 – Synchronous (RRS) 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 | 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, VMware |