



Serial ATA

iQstor's enterprise-level data services features include:

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

iQstor's iQ2280 offers low initial acquisition cost based on a pay-as-you-grow model. It is well suited for 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
- Non-linear editing
- HD Digital film
- Broadcast/VOD
- Life sciences and healthcare
- Education
- Satellite/seismic imaging
- Video Surveillance
- Regulatory Compliance
- Disk to disk backup

iQ2280 4Gb/s FC-SATA II Storage System

High performance storage with enterprise-level features

The iQ2280 storage system from iQstor delivers the high performance and reliability required by today's demanding applications, at an affordable price. iQstor's iQ2280 Storage System is a self-contained storage system that brings an intelligent, yet affordable solution to small and mid-sized companies. Combining proven enterprise-level features with cost-effective Serial ATA (SATA) disk drives, the iQ2280 delivers efficient storage growth, scalability, data protection and storage automation – at a price point that's dramatically less than comparable Fibre Channel solutions.

The iQ2280 enables storage administrators to quickly and cost-effectively optimize storage solutions for diverse fixed content applications in digital media and imaging to near-line and archiving applications for financial, legal and educational institutions. Each iQ2280 supports up to fifteen SATA disk drives providing 15TB of storage capacity (with 1TB drives). Additionally, as storage management requirements evolve, administrators have the option of enabling enhanced storage services such as virtualization, snapshots, mirroring, storage provisioning, remote replication and automated capacity growth.

The iQ2280 is a full-featured storage system, providing maximum flexibility, scalability and cost-effectiveness for business, large and small. With all key internal components being hot-swappable and redundant, the iQ2280 ensures data protection and delivery to keep business-critical applications running smoothly. All in all, iQstor's iQ2280 delivers a robust and economical SATA solution with the availability, manageability, data integrity and enterprise-level functionality that, until now, have only been available to enterprise users.

> iQ2280 Storage System Specifications

System	
Storage Controller	Single or dual controllers per storage system
Host 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 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 Native 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) Intelligent Capacity Management (ICM) Remote Replication – Synchronous (RRS) Database Application Agents (DAA) Universal Multipath (UMPD) Multipath Agent (MPA)
Drive Interface	
Connectivity	Serial ATA II (SATA II)
Capacity/Form Factor	500/750GB/1TB 3.5", 1" high 7200RPM
Maximum Capacity per Enclosure	15TB with 15 x 1TB 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