

A photograph of the iQ1210 SATA Storage System, showing a rack-mounted unit with multiple green SATA drives and a control panel on top.

# Serial ATA

## iQ1210 SATA Storage System

### Extending SATA into affordable business continuity and disaster recovery applications

#### iQstor's iQ1210 can be used:

- As a cost-effective disaster recovery solution
- As a near term repository for data to be archived to tape
- As a snapshot repository
- As a remote mirroring destination
- For fixed content, reference material, digital media or in electronic vaulting

#### iQ1210 provides a cost-effective storage solution for applications that require storage with varying performance, availability and cost characteristics including:

- Business continuity
- Disaster recovery
- Virtual tape library
- Disk-to-disk-to-tape
- Pre-staging for final archive
- Security

iQstor's iQ1210 Storage System allows business to take cost-effective Serial ATA (SATA I & II) storage to the next level, delivering a powerful, intelligent and affordable storage solution that serves business continuity and disaster recovery applications as well as a wide range of tiered storage uses.

With the iQ1210, iQstor has taken the enterprise-level functionality and features inherent in all of the company's storage solutions, combined them with the iQ1200 Storage System platform, and added the capability to easily connect iQ1210 solutions via iSCSI through the Internet. This ability, when combined with the iQ1210's onboard intelligence, allows administrators to create highly robust, highly affordable storage implementations -- including extremely cost-effective asynchronous replication solutions that are not limited by distance or complexity -- to address disaster recovery and business continuity needs, worldwide.

The iQ1210 enables storage administrators to quickly and cost-effectively optimize storage solutions for diverse fixed content applications in digital media and imaging to near-line, disaster recovery and archiving applications for financial, legal and educational institutions. Each iQ1210 supports up to fifteen SATA disk drives providing 7.5TB of storage capacity (with 500GB drives), and the solution allows administrators to easily activate enhanced storage services such as snapshots, mirroring, storage provisioning, remote replication and automated capacity growth as storage management requirements evolve.

For companies seeking to implement a full featured 2Gb storage solution that provides maximum flexibility, scalability and cost-effectiveness to protect their bottom line, the iQ1210 provides dependable data protection and delivery to help keep business critical applications running smoothly. With the iQ1210, businesses have a robust, intelligent and highly economical solution with the availability, manageability, data integrity and functionality that, until now, have only been available to enterprise users -- to cost-effectively protect data, intellectual property and business processes.

# > iQ1210 Storage System Specifications

System	
<b>Storage Controller</b>	Single or dual controllers per storage system
<b>Host Interface</b>	Two 2Gb Fibre Channel SFP ports and one iSCSI (1 Gigabit ethernet) port per storage controller
<b>Parity Accelerator</b>	Two hardware accelerators
<b>Cache Memory</b>	512MB standard, 4GB maximum
<b>Enclosure Management</b>	Out-of-band through 10/100Mb Ethernet port
System Features	
<b>Standard</b>	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
<b>Optional</b>	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	
<b>Connectivity</b>	Serial ATA
<b>Capacity/Form Factor</b>	80/250/400/500GB 3.5", 1" high 7200RPM
<b>Maximum Capacity per Enclosure</b>	7.5TB with 15 x 500GB drives
Power and Cooling	
<b>AC Input</b>	90-260 VAC, 47-63 HZ, auto-ranging, PFC
<b>DC Output</b>	Dual 460 Watt
<b>Cooling</b>	Dual modules each with two blowers
Operating Environment	
<b>Temperature</b>	10°C to 40°C
<b>Relative Humidity</b>	20% to 80%
<b>Certification</b>	FCC/CISPR 22 Class A, UL/CUL, CE, CB, BSMI
Dimensions	
<b>Rack Mount Unit</b>	5.20" H x 17.58" W x 18.70" D 3U EIA high (19" rack mount)
<b>Weight</b>	36 kg. (79 lbs.)
Software	
<b>iQstor SAN Manager</b>	Local or remote management, monitoring and configuration
<b>Host Platform Support</b>	Microsoft Windows, Linux, Sun Solaris, Apple OS X, IBM AIX and HP-UX