

A photograph of the iQ1200 SATA Storage System, a rack-mounted device with a control panel on top and several green SATA disk drives visible in the front. The background is orange.

Serial ATA

iQ1200 SATA Storage System

Enterprise-level features, affordable price

iQstor's iQ1200 can be used:

- 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

iQ1200 is well suited to tiered storage uses, especially for applications that require storage with varying performance, availability and cost characteristics such as:

- Virtual tape library
- Disk-to-disk-to-tape
- Pre-staging for final archive
- Security

iQstor's iQ1200 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 I & II) disk drives, the iQ1200 delivers efficient storage growth, scalability, data protection, storage automation and plug and play simplicity – at a price point that's dramatically less than comparable Fibre Channel solutions.

The iQ1200 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 iQ1200 supports up to fifteen SATA disk drives providing 7.5TB of storage capacity (with 500GB 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 iQ1200 is a full-featured 2Gb 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 iQ1200 ensures dependable data protection and delivery to help keep business-critical applications running smoothly. All in all, iQstor's iQ1200 delivers business 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.

> iQ1200 Storage System Specifications

System	
Storage Controller	Single or dual controllers per storage system
Host Interface	Four 2Gb Fibre Channel SFP ports
Parity Accelerator	Two hardware accelerators
Cache Memory	512MB standard, 4GB maximum
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 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
Optional	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	
Connectivity	Serial ATA
Capacity/Form Factor	80/250/400/500GB 3.5", 1" high 7200RPM
Maximum Capacity per Enclosure	7.5TB with 15 x 500GB 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, Sun Solaris, Apple OS X, IBM AIX and HP-UX