



# iSCSI / NAS

## iQ-Renegade Multi-Protocol Storage System

**Affordable and easy to use, the iQ-Renegade is a unified data storage system. Supporting both iSCSI and NAS protocols, the iQ-Renegade provides up to 32TB of storage capacity in a 3U 16-bay form factor. It's the ideal system for backup, archive and digital security applications.**

### iQ-Renegade Environments

- **Security Surveillance** offers a low cost solution for high performance digital video cameras. Supports direct attached connections via iSCSI interface.
- **Data Backup** application includes local and remote backup for Disaster Recovery.
- **Multi-Protocol** allows concurrent support for NAS and iSCSI.
- **Intuitive and Easy to Use GUI** setup in minutes and changes on the fly.
- **Small & Medium Businesses** excellent ROI leveraging existing network infrastructure.

### Simplifying IT Administration with Multi-Protocol Storage

The iQ-Renegade is a network-based storage system designed to provide heterogeneous access to iSCSI, CIFS, or NFS data sources. This multi-protocol flexibility enables the system to support a broad range of business applications. With the iQ-Renegade, businesses are able to easily support and combine iSCSI and NAS storage requirements into a single physical system.

### Protecting Business Data with Remote Backup

The iQ-Renegade provides iSCSI local mirror and volume copy features out of the box. Built-in NAS remote backup is part of the standard offering and allows data files to be automatically backed up to another iQ-Renegade system across any distance thus minimizing disruptions or downtime for critical business operations.

### Port Bonding and Multi-Path I/O for Flexibility and Reliability

The iQ-Renegade addresses high bandwidth requirement by bonding multiple Gigabit Ethernet ports into a single pipe. Multi-path support enhances performance and reliability through load balancing, active-passive operation and best path selection. The multi-path software and redundant physical path connections to hosts provide reliability by ensuring applications access to data in the event of path failure between host server and iQ-Renegade.

### High Performance RAID for Productivity

The iQ-Renegade uses high performance CPUs for both the iSCSI/NAS engine and for hardware RAID acceleration. The system supports online RAID level modification and background drive initialization. Powerful CPUs enable multiple tasks to be performed at the same time, greatly reducing system administration time and enhancing productivity.

<b>iQ-Renegade iSCSI / NAS System</b>	
<b>Storage Controller</b>	Single controllers with 64bit quad-core CPU
<b>Host Interface</b>	Four GbE Copper ports
<b>Host Protocol</b>	iSCSI, CIFS, NFS, FTP, TFTP
<b>Cache Memory</b>	4GB standard
<b>Operating System Support</b>	Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows Vista, Windows XP, Red Hat Enterprise Linux, SUSE, Linux Enterprise
<b>Management Interfaces</b>	SMART Performance and event monitoring tool Console interface Multi-administrator support, GUI access support
<b>Standard Features</b>	RAID levels 0, 1, 3, 5, 6 On-line RAID expansion Multiple RAID sets Dynamic RAID change Automatic spare configuration and utilization Hot swap disk drives iSCSI and NAS volume support
<b>Security and Notifications</b>	CHAP authentication NAS remote backup and restore SNMP traps Email Syslog
<b>Drive Interface</b>	
Drive Type	500GB/1TB/2TB 7200 rpm SATA II
Maximum Capacity per Enclosure	8TB with 16 x 500 GB ,16TB with 16 x 1TB drives or 32TB with 16 x 2TB drives
<b>Power</b>	
AC Input	100-240 VAC
Frequency	47-63Hz
Power supplies	750 W Redundant hot swappable
<b>Operating Environment</b>	
Temperature	5°C to 35°C operational, -20 °C to 55 °C storage
Relative Humidity	35% to 85%, non-condensing operational / 20 to 93% non condensing non-operation
<b>Dimensions</b>	
Rack Mount Unit	5.2" H x 16.8" W x 25.6" D, 3U EIA high
Weight	32 kg (70 lbs)
<b>Support Services</b>	
Warrant	Includes one-year product warranty with 9x5 telephone support from iQstor Professional Services engineers.
Optional	Onsite installation and training

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