

## RDX® Technology for Archiving

Solution Brief

RDX® is the leading technology within the removable hard disk market, and is an exciting option for the archiving market. When selecting an archiving technology that provides infinite scalability and protects valuable archived data for the long-term, the rugged removable RDX media offers some clear advantages.

### Imation and QStar Deliver Powerful and Flexible RDX Archiving Solution

QStar Archive Manager software paired with one or more Imation RDX A8 removable disk libraries create a powerful and flexible archive solution for small to enterprise archive requirements.



The Imation RDX A8 networked storage array includes eight integrated RDX docks. Using 1.5TB RDX cartridges, the system provides up to 12TB of online capacity and unlimited offline capacity. Leveraging its ability to mix different capacity RDX media (320GB, 500GB, 1TB and 1.5TB) in a single appliance, the RDX A8 provides “pay-as-you-grow” storage scalability and investment protection. QStar Archive Manager software can be licensed to support multiple RDX A8 units, providing virtually unlimited expansion.

### Access to All Archived Data

QStar software, available for Windows or Linux, presents the complete RDX A8 archive as a network share or mount point using industry-standard CIFS and NFS protocols. End users have active access to the archive and can easily search, find and retrieve all archived files. Content remains visible for searching, even on media that is offline.

### Limitless Scalability

A key requirement of an archive is to easily scale as capacity is required. The cost of storage reduces each year and so buying just enough today keeps costs down. Using QStar archive software with RDX A8 allows the archive to grow in a number of ways.

- Removing media from the RDX A8 and replacing it with new allows the archive to grow in the most cost effective way. QStar automatically tracks the location of all files on the removed media and, if required, will notify an Administrator via email to reload the desired media.
- Adding additional RDX A8 units allows increased online capacity and removes the need to access offline media. Through the use of iSCSI technology, the new RDX A8 removable disk libraries can be added seamlessly. QStar software can support multiple RDX A8 units in a single configuration.
- As higher capacity RDX media becomes available it can be used immediately in the RDX A8. RDX technology is unique in the archive storage world in this regard, as all other removable media solutions require a drive upgrade to use latest capacity media.

### Solution Benefits

- Presents one or many RDX A8 units as a single network share for easy access to all archived files on all media
- Online scalability/ Limitless offline scalability with additional RDX A8 storage arrays and RDX media
- Automated retention management, which prevents files from being altered or deleted, to meet internal governance or compliance requirements
- Secure long-term data preservation
- Software can be installed on choice of server using Windows or Linux
- Future-proof –Guaranteed support for all new media capacities
- Optional mirroring and replication
- Optional policy-based data life cycle management

## Superior Compliance and Protection

A robust retention management feature is provided with this solution by QStar Archive Manager software, ensuring that valuable archived data is managed and protected efficiently. Retention management securely retains files in a read-only format, within the archive, for a pre-determined period of time. Once that period elapses, files can be automatically purged and media can be re-used for new archive content. Multiple retention periods can be created to support different data sets to meet varying business needs.

# imation

Questions? Contact us at:  
Website: [www.imation.eu](http://www.imation.eu)

## Disaster Prevention Strategies

An archive using QStar archiving software and RDX A8 removable disk arrays offers several disaster prevention strategies. A simple, low-cost strategy is to create a disaster recovery copy and simply remove it from the RDX A8 for transport to a remote location. Optionally, with the use of QStar Data Director, mirrored writing to two RDX cartridges provides a secure and efficient method of creating additional media copies. Once full, one of these copies can be removed and stored off-site.

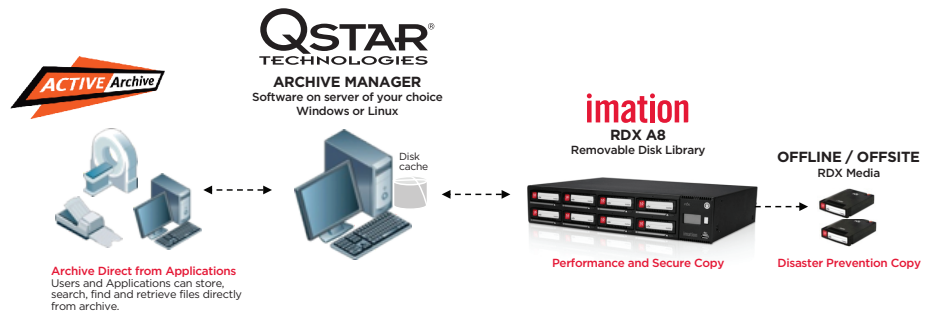
## QSTAR<sup>®</sup> TECHNOLOGIES

QStar Technologies, Inc.  
Website: [www.qstar.com](http://www.qstar.com)

A more advanced alternative is to use QStar Archive Replicator software which allows data to be replicated, either synchronously or asynchronously, to a second RDX A8 at a second site.

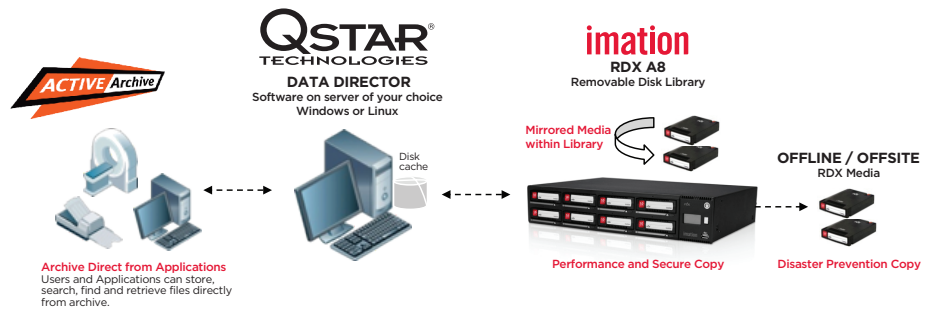
## Basic Archive Configuration

Data stored from one or more applications into a single archive with cost effective offline disaster recovery strategy.



## Mirrored RDX Media Archive Configuration

Mirrored writing to two RDX cartridges. Creates additional media copies for disaster prevention.



## Advanced Archive Configuration

Optional functionality can be incrementally added including remote disaster prevention.

