Quantum

DISK BACKUP, DEDUPLICATION, AND REMOTE REPLICATION

DXi4500

The DXi4500 appliances make it easy and affordable to speed up backup, improve restores, and reduce data protection costs

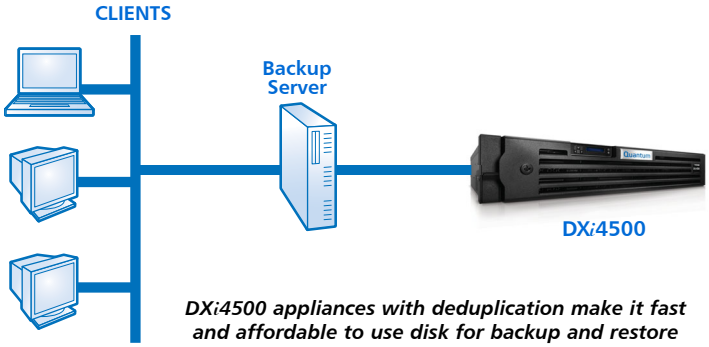
Easy, affordable deduplication for faster backup and restores

For many companies, traditional backup isn't keeping up with growing data. Backups and restores take too long, are hard to manage, and cost too much. While disk can boost backup speeds, conventional arrays fill up too quickly and don't provide DR protection. Data deduplication on disk addresses both issues, drastically reducing capacity and bandwidth requirements.

Quantum's DXi4500 backup appliances with deduplication provide an affordable and easy way to speed up backup and reduce data protection costs. Typical DXi® customers see 2 to 3 times faster backup, disk-speed restores, and achieve fast return on their investment. They decrease disk capacity needs by 90% or more, reduce backup management time by nearly two-thirds, and dramatically lower their use of removable media.

Designed for small to medium businesses or branch offices, DXi4500 appliances are turnkey solutions that can be deployed seamlessly with all leading backup software using a simple NAS interface. DXi4500 units are designed for rapid, seamless integration and maximum client performance without changes to existing backup architectures or potentially disruptive media server upgrades, unlike software-based deduplication. Each DXi4500 model includes support for remote replication, virtual environments, and Symantec's OpenStorage (OST) interface as standard features.

The DXi4500 appliances are supported by Quantum and the industry's largest and most experienced service team dedicated to backup, recovery, and archive.



DXi4500 appliances with deduplication make it fast and affordable to use disk for backup and restore

KEY BENEFITS

DXi Appliances boost backup and recovery performance while reducing costs

- Data protection with disk system speeds
- Retains more backups longer on disk for fast, certain restores
- Reduces management time and lowers costs
- Reduces removable media storage

Seamless deployment in existing environment

- Integrates easily with all leading backup software
- Easy non-disruptive deployment (CIFS, NFS, OST)
- Adds deduplication to your existing architecture
- Quantum service team provides single point of support for all backup systems

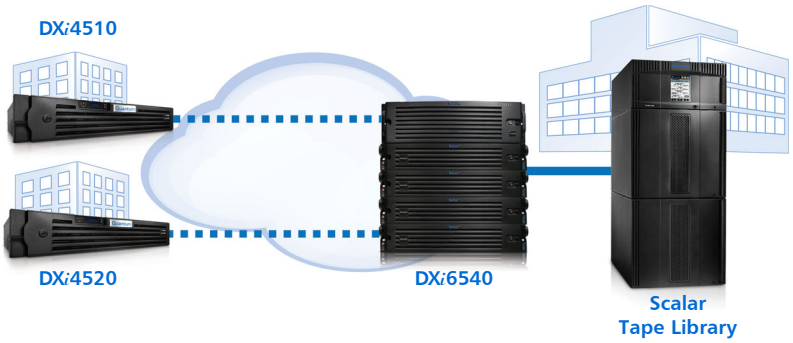
Automates and centralizes DR protection

- Replicates backup data for lights out Disaster Recovery protection
- Cuts network bandwidth needs by a factor of 50 to lower costs
- Links to other DXi units at data center to centralize tape creation
- Symantec OpenStorage (OST) support allows integrated operation across sites and tiers

VM Ready

- Powerful deduplication for virtual servers
- Consolidates protection for both virtual and physical servers
- Includes Backup software for VMware

DX*i*4500



The DXi4500 protects remote sites with disk, provides automated DR protection using replication, and enables tape consolidation.

Centralizing Multi-site Backups

The DXi4500 replication leverages deduplication to reduce typical bandwidth requirements by a factor of 50 or more, turning existing WANs into DR networks. DXi4500 models are replication-compatible with all DXi disk backup systems and with Quantum's Vision™ management console, making it easy for multi-site IT departments to consolidate protection and centralize tape operations using a single point of management.

TECHNICAL SPECIFICATIONS

CAPACITY

DXi4510	2TB Usable
DXi4520	4TB Usable

SYSTEM

Presentation Layers	• NAS Backup Target (CIFS or NFS) • Symantec OST Logical Storage Unit
Performance	up to 400 GB/hr
Replication	Asynchronous, one-to-one or multiple-to-one configurations

DEDUPLICATION

System deduplicates during ingest (Adaptive in-line mode) for most efficient disk utilization

OST SUPPORT

Symantec OpenStorage (OST) API Support
Support for OST is included on all DXi4500 units, allowing users to write data to OST logical storage units (LSUs) and enabling application-aware replication with NetBackup 6.5.3+ and Backup Exec 2010. DXi-Series units with direct tape path capability (DXi7500 and DXi6500 models) support the OST direct path to tape introduced in NetBackup 6.5.4.

HOST TO APPLIANCE H/W INTERFACE

4x 10/100/1000 BaseT Ethernet

POWER INPUT

NEMA Power Cord: 5-15P to C-13

POWER ENVIRONMENT

Input Voltages: 100 to 240 VAC
Rated Frequency: 50 to 60 Hz
Rated Wattage: 750W×2

CLIMATIC ENVIRONMENT

TEMPERATURE
Operating: 50° to 95°F (10° to 35°C)
Shipping & Storage: -40° to 149°F (-40° to 65°C)

RELATIVE HUMIDITY
Operating: 20 to 80% non-condensing
Shipping & Storage: 5 to 95% non-condensing

ALTITUDE
Operating: -50 to 10,000ft (-15.2 to 3,048m)
Shipping & Storage: -50 to 39,370ft (-15.2 to 10,668m)

PHYSICAL SPECIFICATIONS

Width (in/cm)	17.19 / 43.6
Height (in/cm)	3.40 / 8.6
Length (in/cm)	24.09 / 61
Weight (lbs/kg)	49.5 / 22.5

AGENCY CERTIFICATIONS

SAFETY
IEC 60950-1 (ed. 1), CSA 60950-1-03/UL 60950-1 1st Edition

EMISSIONS
EN55022 Class A, FCC Part 15 Class A, ICES-003 Class A, VCCI Class A, CISPR 22 Class A, CNS13438 Class A, KN22 Class A

For contact and product information, visit quantum.com or call 800-677-6268

Quantum®

Preserving the World's Most Important Data. Yours.™

©2010 Quantum Corporation. All rights reserved. Quantum, the Quantum logo, and all other logos are registered trademarks of Quantum Corporation or of their respective owners. Protected by Pending and Issued U.S. and Foreign Patents, including U.S. Patent No. 5,990,810. esXpress is a trademark of PHD Virtual Technologies, Inc.

About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi®-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.

DS00419A-v02 Apr 2010