

DXi V1000

Flexible, affordable and extensible virtual appliance with deduplication and replication for distributed sites, cloud deployments and small businesses

DXi® V1000 is a virtual appliance that combines the power of dedupe functionality with the simplicity and flexibility of virtual machines to provide affordable backup and DR protection for distributed sites, small businesses and cloud deployments.

The benefits of target-based deduplication appliances are well-known in the IT community. With deduplication, IT managers understand they can double backup performance, reduce failed backups by 90%, and can expect reductions in backup administration time by over 70%. However, for some IT shops, the acquisition costs of physical deduplication appliances are just too high for either small business environments or for distributed sites at larger enterprises. And for those who have tried deduplication inside backup software, many have discovered that this approach can be limited in performance, complex and still challenging to meet their data protection requirements.

Quantum's DXi V1000 is an innovative alternative—it's the first solution in the industry to combine the power and flexibility of target-based deduplication with the simplicity and affordability of a virtual appliance using the IT infrastructure already in place. It works with any backup software to protect up to 2TB of data on any physical and virtual servers, just like a physical deduplication appliance. For DR protection, it can replicate to any other DXi appliance, DXi V1000 included, or to a cloud protection service just like a physical appliance. But DXi V1000 is a virtual appliance—a self-contained software module that deploys in any VMware environment.

DXi V1000 provides extensibility for a cloud-connected architecture, giving users a local copy of data while their backup copy resides within the cloud. This is unique to the DXi V1000 and eliminates one of the challenges of cloud services—latency in restores. With the DXi V1000

KEY BENEFITS

Simple and affordable data protection solution for small businesses and distributed sites

- Combines the power and flexibility of target-based dedupe with the simplicity and affordability of a virtual appliance – using existing infrastructure
- Innovative alternative to doing deduplication inside backup software
- Protects up to 2TB of data on any physical or virtual server
- DR Protection – replicates to any other DXi appliance or cloud protection service

Seamless deployment in existing environment

- Integrates easily with all leading backup software
- Easy, non-disruptive deployment
- Adds deduplication to your existing architecture
- Extensibility and flexibility of virtual appliance

VM Backup Support and Cloud-Connected Architecture

- Powerful deduplication for both virtual and physical servers
- Centralizes protection for both virtual and physical servers to reduce costs and complexity
- Virtual appliance-based backup design eliminates agents and extra servers
- Extensibility for reach into cloud-based services

DATASHEET

containing all the feature richness of DXi physical deduplication appliances, including variable-length deduplication technology, replication, OST support and encryption for data in flight, this virtual appliance version provides for greater flexibility for end-users and cloud providers.

For small businesses, DXi V1000 is the first solution to solve the problems of providing backup and DR protection affordably by combining the power of target-based deduplication with the simplicity and affordability that comes with virtual appliances. Using Quantum's patented variable-length technology, DXi V1000 has the same high deduplication ratios as physical DXi appliances, works with any backup software, protects both virtual and physical servers, and can replicate encrypted data to any other DXi appliance or to a cloud for DR protection. But DXi V1000 implements this technology, unique in the industry, as a virtual appliance and installs easily in any VMware environment using the existing hardware and infrastructure so no new costs are incurred.

For any organization with multiple distributed offices, DXi V1000 provides the alternative of deploying multiple virtual appliances as guest machines in remote offices and replicating data from each of them to a data center with a DXi hardware appliance or other DXi V1000 instances, using built-in replication functionality for automated DR protection.

For those needing to protect virtualized environments, Quantum's vmPRO provides complete data protection for the entire VMware infrastructure. Quantum's vmPRO works as a complete data protection solution or seamlessly integrates with third-party backup applications to bring together both physical and virtual data sets.

TECHNICAL SPECIFICATIONS

FEATURES

Performance:	Up to 1TB/hour performance (NAS inline deduplicated ingest)
Capacity (usable):	1 to 2TB
Highlights:	Scales from 1 to 2TB through a simple capacity expansion license. NAS, Replication, OST and DXi Accent are standard features.

INTERFACES

NAS backup target	
Presentations:	CIFS and/or NFS
Shares:	128 max
OpenStorage (OST) API	
Presentations:	Symantec Storage Servers and Logical Storage Units
Shares:	128 max

STANDARD SOFTWARE INCLUDED

Deduplication, replication, DXi Accent, NAS and support for the Symantec OpenStorage API (OST) are included in the base price.

DXi ACCENT™

DXi Accent software allows the backup server to collaborate in the deduplication process, off-loading part of the data reduction activity so that only unique blocks are sent over the network to the DXi appliance. This hybrid approach provides faster backups over bandwidth-constrained LANs or WANs. DXi Accent can be enabled or disabled on a per-media server basis. Initial support for DXi Accent is provided through the NetBackup OpenStorage (OST) API.

REPLICATION INCLUDED FOR ALL UNITS

Replication-compatible with DXi systems using NAS or OST presentations. Replication is asynchronous, one-to-one configurations; partitions in same unit act as replication source or target; units with partitions acting as replication targets can also support local backup; data is deduplicated and encrypted prior to transmission; file-based replication provides automated access to data at the target; CLI supports scripting/scheduling. Configurations support replication bandwidth control.

MINIMUM SYSTEM REQUIREMENTS

VMware ESX/ESXi 4 or 5
vSphere 4.0 Update 2 or vSphere 5
4GB RAM
32GB disk space (uses thinly provisioned disks that expand to maximum licensed capacity)
Requires Intel-based processor and 2 virtual CPU cores

For contact and product information,
visit quantum.com or call **866-809-5230**

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About Quantum

Quantum Corp. (NYSE:QTM) is a proven global expert in data protection and Big Data management that provides a unique combination of intelligent storage solutions and unmatched value for traditional, virtual and cloud environments. From small businesses to multinational enterprises, more than 50,000 customers trust Quantum to help cost-effectively manage data growth and extract the full value from their digital assets. Quantum's offerings include: DXi®-Series disk-based deduplication and replication systems for fast backup and restore, vmPRO solutions for protecting virtual machine data, Scalar® tape automation products for disaster recovery and long-term data retention, and StorNext® Big Data management software and appliances for high-performance file sharing and archiving.