

Quantum®

DXi V-Series



> DATASHEET

High-Performing, Affordable, and Extensible Virtual Backup Appliances Designed for Distributed Site, Data Center Protection and Foundational for Cloud BaaS

DXi® V-Series is a virtual backup appliance that combines the power and performance of dedupe functionality with the simplicity and flexibility of virtual machines.

100% VIRTUAL

The DXi V-Series was designed from the beginning around virtualization. This 100% virtual appliance approach maintains high performance and scalability, usually reserved for physical appliances, enabling customers to get the most out of their investment in virtualized infrastructure. Whether you are looking to protect a fully virtualized environment or a mix of physical and virtual, the DXi V-Series can protect all data types.

REDUCE HARDWARE REQUIREMENTS

Virtualization technologies deliver the ability to scale your environment quickly and easily using existing capital equipment. Your data protection solution should be able to support the same while reducing overall expenses. The DXi V-Series deploys using existing virtual infrastructure, so no new servers or storage are required. With patented inline deduplication, DXi V-Series reduces storage footprint by as much as 90%.

DISASTER RECOVERY AND CLOUD BAAS FOR ANY SIZE ORGANIZATION

No matter what your data protection needs are today, or in the future, DXi V-Series has you covered. With single virtual appliance scalability from 1TB-480TB*, customers can deploy DXi V-Series in a wide range of uses. Whether you are looking for remote site, data center protection or looking to deploy Cloud Backup-as-a-Service, DXi V-Series enables this type of flexibility.

HIGH PERFORMANCE AND SIMPLE SCALABILITY

DXi V-Series has changed the hardware performance and scale paradigm by providing up to 5TB/hr ingest and up to 480TB* of scale in a single virtual appliance model. Easily add more capacity to your DXi V-Series by updating the license file and deliver optimal performance by taking advantage of virtual machine technologies such as vMotion and vStorage Motion.

FEATURES & BENEFITS

100% virtual

- Eliminate hardware requirements.
- Reduce overall storage footprint.
- Integrate easily with all leading backup software.

High performance and simple scalability

- Up to 5TB/hr ingest performance.
- Protects up to 480TB* of data on any physical or virtual server.

Foundation for Backup-as-a-Service

- Powerful and proven deduplication for both virtual and physical servers.
- From remote to data center protection in an all-virtual option.
- Reduce data by up to 90%.
- Disaster Recover and Cloud BaaS for any size organization.



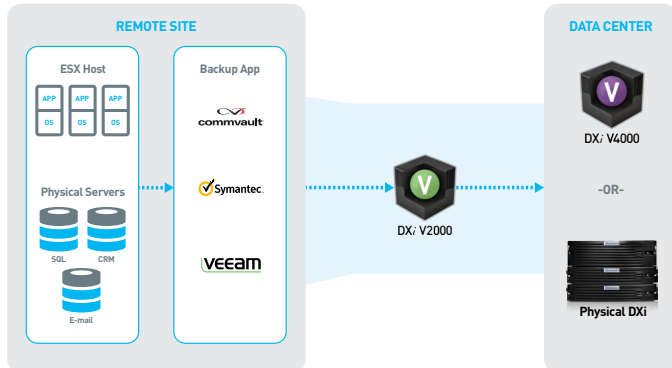
*Assumes a deduplication ratio of 20:1. Actual deduplication ratios will vary depending upon data types, retention, and compressibility of your data.

> **LEARN MORE:**
www.quantum.com/dxivseries

DXi V2000

Ideal for remote or small site data protection with storage capacity of up to 160TB* in a single virtual appliance, DXi V2000 makes DR a reality for any size organization.

DXi V2000: Edge or Small Site Protection



Protected data, either virtual or physical data, is sent to backup application.

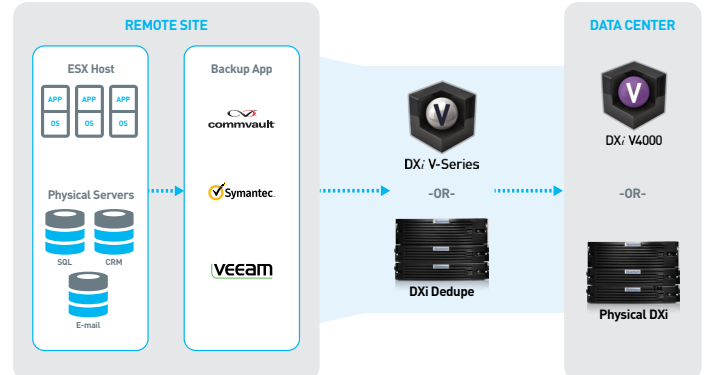
Backup application sends data to DXi V-Series. Local copy provides easy and fast restores.

Data is replicated to DXi V-Series or physical DXi in data center for complete DR of remote site.

DXi V4000

For those needing higher performance and scale up to 480TB* in a single virtual appliance, DXi V4000 delivers. Protection of remote sites, a replication target in the data center, or foundation for Cloud BaaS, the DXi V4000 provides the flexibility needed for the most demanding environments.

DXi V4000: Replication Target and Foundation for Cloud



Protected data, either virtual or physical data, is sent to backup application.

Backup application sends data to DXi V-Series or physical DXi. Local copy provides easy and fast restores.

Data is replicated to DXi V-Series in the data center or to the cloud for complete DR of remote site.

TECHNICAL SPECIFICATIONS

FEATURES

Performance:	DXi V4000: Up to 5TB/hr (DXi Accent™) DXi V2000: Up to 2TB/hr (DXi Accent)
Capacity (usable):	DXi V4000: 4TB-24TB DXi V2000: 1TB-8TB
Standard Software Included:	Deduplication, replication, encryption, DXi Accent, NAS (CIFS/NFS), OST Support

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

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

DXi V2000

VMware ESXi 5.0 or 5.1
Multi-core Intel processor (AMD not supported): Two virtual CPU cores required for execution
Minimum 1.5TB of thinly provisioned disk capacity
0.5TB (512GB) of disk capacity in addition to licensed capacity (i.e., 8.5TB for a 8TB license)
8GB of RAM allocated to the DXi V2000

DXi V4000

VMware ESXi 5.0, 5.1, or 5.5
Multi-core Intel processor (AMD not supported)
Eight virtual CPU cores required for execution
Minimum 4.5TB of thinly provisioned disk capacity
0.5TB (512GB) of disk capacity in addition to licensed capacity (i.e., 24.5TB for a 24TB license)
48GB of RAM allocated to the DXi V4000
The DXi V4000 will use less than 48GB of RAM depending upon connections and capacity in use

*Assumes a deduplication ratio of 20:1. Actual deduplication ratios will vary depending upon data types, retention, and compressibility of your data.

ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive, and data protection, providing solutions for capturing, sharing, and preserving digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. Quantum's end-to-end, tiered storage foundation enables customers to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at www.quantum.com/customerstories.

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