**FEATURES & BENEFITS**

**Improve backup and restore times**
Powered by the world’s most powerful file system—StorNext®—DXi software enables faster deduplication and access to your data.

**Scale on your terms**
Broadest scalability from 204 TB to 2,040 TB native/uncompressed with Quantum’s own Capacity-on-Demand (CoD) methodology.

**Minimize storage utilization**
Variable-length deduplication maximizes data reduction, providing lowest OPEX and maximizing efficiencies locally and across WANs.

**Increase IT staff productivity**
Comprehensive and intuitive management tools enable precise business decisions and speed resolution time.

**Provide an extra layer of security**
Protect against data breaches across the enterprise using industry-standard AES 256-bit encryption with Self-Encrypting Drives. This is also applied to data-in-flight.

**Gain insight on the health and performance of your Quantum appliances**
Cloud-Based Analytics (CBA) is a cloud-based services tool that enables an end-to-end integrated communication between your Quantum systems and the Quantum product and service experts.

With industry-best density, ultra-fast performance, and the ability to protect PBs of data, the DXi9100 is the most efficient option for enterprise backup storage.

**DXi KEY CAPABILITIES**

- **Multi-protocol and strong backup application integration.**
- **Powered by StorNext, the industry’s fastest file system.**
- **Flash storage for metadata performance.**
- **Single Block Pool for real global deduplication.**
- **Redundent replicated backup.**
- **Direct link to tape.**

**FUTURE PROOF SOLUTION**
For future mergers, acquisitions, or software changes, DXi features handle your future integration needs.

**READ/WRITE SPEED**
Ingest speed is critical to meet the backup window, but backup is mainly about restore and being able to detect situations such as Instant VM recovery. DXi combines flash storage for faster ingests with a unique and powerful file system that detects and adapts itself to random I/O request for faster restores.

**BEST-IN-CLASS DATA REDUCTION**
Variable-length deduplication applied to a single block-pool. No duplicates across partitions, shares, or protocols. It’s all about getting the maximum reduction ratio.

**REDUCED RISK**
Why wait for the backup job to finish to start replicating? DXi replicates immediately to reduce your risk window. Need an extra protection against ransomware? DXi has a direct link to tape to get your backups offline and out of reach.

**LEARN MORE:**
[www.quantum.com/dxi](http://www.quantum.com/dxi)
TECHNICAL SPECIFICATIONS

INTERFACES

NAS Backup Target

Presentations: CIFS and/or NFS
Shares: 128 max
Connections/Users: 100 max

OpenStorage (OST) API

Presentations: VersaStor Storage Servers and Logical Storage Units
Shares: 100 max

VTL Fibre Channel

Partitions (max): 44
Drives (max): 280
Cartridges per Partition (max): 61,000

Emulations (libraries): Scalar i24, Scalar i40L, Scalar 100, Scalar 3000, Scalar 16000

Emulations (drives): DLT7800, SDLT 200, SDLT 600, DLT-5k, LTO-1, LTO-2, LTO-3, LTO-5

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE

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

RELATIVE HUMIDITY

Operating: 10 to 80% non-condensing
Shipping & Storage: 5 to 95% non-condensing

ALTITUDE

Operating: -50 to 10,000 ft (-15.2 to 3,048 m)
Shipping & Storage: -50 to 39,370 ft (-15.2 to 12,000 m)

VERITAS OPENSTORAGE (OST) API SUPPORT

Support for OST is a standard feature for all DXi9100 backup appliances, allowing users to write data to OST logical storage units (LSUs) and enabling application-aware replication in NetBackup and Backup Exec environments. Support includes Optimized Duplication, Auto Image Replication (AIR), Targeted Auto Image Replication, Accelerator, and Granular Restore Technology (GRT). OST path-to-tape introduced in NetBackup 6.5.4. OST Optimized Synthetic Full Backups is also supported to reduce network I/O and shorten time to perform full restore from incremental backups.

DYNAMIC APPLICATION ENVIRONMENT SUPPORT

The DXi Dynamic Application Environment (DAE) enables the installation of a JVM hypervisor to support virtual machines running many different operating systems on DXi appliances. DXi supports VersaNetBackup and Nakivo Backup & Replication running in DAE for customers who wish to save money and data center space by eliminating the need to deploy a separate server to run their backup applications. Customers may run NAS and OST backups directly from their DXi appliance running NetBackup within the DAE.

VEEAM DATA MOVER SERVICE SUPPORT

The integration of DXi and Veeam enables the Veeam Data Mover Service (VMDM) to be used to move data between the Veeam proxy server and the DXi appliance. The VDMSM communicates with the Veeam proxy server to efficiently manage the data flow between Veeam and DXi, greatly reducing the time it takes to create synthetic full backups with Fast Clone by up to 15% and run VM instant recovery.

DXi appliances are a Veeam Ready Integrated storage solution. This program offers Veeam Alliance Partner Program members the opportunity to create solution offerings that complement or enhance Veeam features or functions. Through more extensive product integration, joint development and testing, these enhanced solutions help customers achieve optimal performance or create unique abilities together with Veeam Backup & Replication™ APIs or technologies. The DXi when defined as a repository for Veeam supports the use of the Veeam Data Mover Service (VMDM), which optimizes performance between the DXi and the Veeam proxy server.

AccentFS

AccentFS, a standard feature on all DXi9100 backup appliances, allows the media 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 distributed 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 and Backup Exec OpenStorage (OST) API, AccentFS for Oracle RMAN, and Linux OS over LAN/WAN.

DATA-AT-REST ENCRYPTION

Data-at-rest encryption uses self-encrypting drive (SED) technology to secure all data stored on the DXi9100 and helps render breach-damaged data useless to anyone not authorized to access it. This includes data and metadata, configuration files, and the DXi software and operating system. When data-at-rest encryption is enabled, all hard drives in the DXi are paired with the disk controllers using encryption keys. Then, accessing data on the drives requires the same encryption keys and controllers that were used to write the data. This ensures that a drive that is physically removed from the DXi cannot be read using another system or device.

DXI ADVANCED REPORTING

DXi Advanced Reporting, which is included on all DXi appliances, sets new standards for on-board intelligence by giving users a detailed view of internal appliance operations, providing them with years of backup and replication data for extended trend analysis. DXi Advanced Reporting reduces administration time, improves operations, streamlines performance tuning, and helps users maximize the value of their DXi appliances.

REPLICATION

Replication is supported for any DXi to any Quantum DXi appliance, and is encrypted AES 256-bit and asynchronous. Customers can choose a desired replication strategy: one to one, one to two, or fifty to one. Every partition in a DXi unit can be a source and target, similar to peer-to-peer replication. Replication starts as backup ingress to reduce replication time.