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.

**Protect data across sites**
WAN efficient replication makes it faster and less expensive to move data between sites for offsite backups.

**Scale on your terms**
Broader scalability from 51 TB to over 1,020 TB with Quantum’s own Capacity-on-Demand (CoD) methodology.

**Minimize storage utilization**
Patented 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 DXi9000 is the most efficient option for enterprise backup storage.

**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.

**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.

**Future proof solution**
For future mergers, acquisitions, or software changes, DXi features handle your future integration needs.
**TECHNICAL SPECIFICATIONS**

**INTERFACES**

- **NAS Backup Target**
  - **Presentations:** CIFS and/or NFS
  - **Shares:** 128 max
  - **Connections/Users:** 100 max
- **OpenStorage (OST API)**
  - **Presentations:** Veritas Storage Servers and Logical Storage Units
  - **Shares:** 100 max
  - **VTL Fibre Channel**
    - **Partitions (max):** 64
    - **Drives (max):** 700
  - **Cartridges per Partition (max):** 41,000
  - **Emulations (libraries):** Scalar* 24, Scalar w400, Scalar 100, Scalar 600, Scalar i2000, Scalar i6000

**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)

**INLINE PERFORMANCE**

- **Ingest Performance:**
  - VTL: Up to 64 TB/hr
  - NFS: Up to 35 TB/hr
  - CIFS: Up to 39 TB/hr
  - OST: Up to 49 TB/hr
  - With DXi Accet:
    - Up to 99 TB/hr

**DATA AND SYSTEM REDUNDANCY**

Enhanced RAID, redundant power, redundant cooling, redundant controllers and data path to storage, hot-swap drives, power supply and fans, and 110-FT technology.

**HOST TO APPLIANCE I/H INTERFACE**

Provides 2 x 1 GbE and 2 x 10 GbE ports with room to add up to four of the following HBA:

- Quad-port 10 GbE (Optical)
- Quad-port 10 GbE (Tennax)
- Quad-port 10GBASE T (RJ45)
- Quad-port 16 Gb FC.

**SOFTWARE LICENSES INCLUDED**

The base price of the DXi9000 includes licenses for NAS, VTL, OST, deduplication, replication, path-to-tape (PTT), and DXi Accet software for hybrid deduplication.

**CAPACITY AND SCALABILITY**

- **Usable Capacity:** 51 TB to 1,020 TB
- **Scaling Increment:** 51 TB
- **Logical Capacity:** 1,020 TB to 20.4 PB*
- **Hard Disk Drives:** 12 TB Self-Encrypting Drives
- **Server Node Drives:** 16 x 46 GB SSD

**PHYSICAL SPECIFICATIONS**

### Dimensions

- **System Node:**
  - **High-Density Array Module:** 2U (17.5 in [W] x 34 in [H] x 28.6 in [D]) - 144.5 cm (W) x 86.4 cm (H) x 72.6 cm (D)
  - **High-Density Expansion Module:** 4U (17.7 in [W] x 38 in [H] x 38.5 in [D]) - 44.6 cm (W) x 96.5 cm (H) x 97.1 cm (D)
- **Standard Expansion Module:**
  - **High-Density Array Module:** 2U (17.7 in [W] x 34 in [H] x 28.6 in [D]) - 144 cm (W) x 86 cm (H) x 72.6 cm (D)
  - **High-Density Expansion Module:** 4U (17.7 in [W] x 38 in [H] x 38.5 in [D]) - 44.6 cm (W) x 96.5 cm (H) x 97.1 cm (D)
  - **System Node:**
    - **Weight:** 72 lbs (32.3 kg)
    - **Standard Expansion Module:** 63.9 lbs (29 kg)
    - **High-Density Array Module:** 249 lbs (113 kg)
    - **High-Density Expansion Module:** 249 lbs (113 kg)
- **Remote Replication:**
  - **Up to nineteen 51-TB expansion points within ten physical expansion modules:** 2U each
  - **Up to sixteen 51-TB expansion points within two physical expansion modules:** 4U each

**POWER SPECIFICATIONS**

- **Input Power:** NEMA 5-15P to C13 power cord
- **Input Voltage:** 100 to 240 VAC, 50-60 Hz
- **Rated Current:**
  - **System Node:** 6.5 A @ 100 VAC, 2.8 A @ 240 VAC
  - **Standard Expansion Module:** 3.9 A @ 100 VAC, 1.7 A @ 240 VAC
  - **Standard Expansion Module:** 2.7 A @ 100 VAC, 1.1 A @ 240 VAC
  - **High-Density Array Module:** 6.1 A @ 100 VAC, 5.1 A @ 240 VAC
  - **High-Density Expansion Module:** 4.9 A @ 100 VAC, 4.1 A @ 240 VAC
- **Typical Power Consumption:**
  - **System Node:** 635 W
  - **Standard Array Module:** 362 W
  - **Standard Expansion Module:** 207 W
  - **High-Density Array Module:** 1,170 W
  - **High-Density Expansion Module:** 1,921 W
  - **Input:** 16.35 A @ 100 VAC, 13.63 A @ 240 VAC
  - **Output:** 8,900 BTU @ 1,020 TB

*Assumes a deduplication ratio of 30:1. Actual deduplication ratios will vary depending upon data types, retention, and compressibility of your data.

Quantum technology and services help customers capture, create, and share digital content—and preserve and protect it for decades at the lowest cost. Quantum’s platforms provide the fastest performance for high-resolution video, images, and industrial IoT, with solutions built for every stage of the data lifecycle, from high-performance ingest to real-time collaboration and analysis and low-cost archiving. Every day the world’s leading entertainment companies, sports franchises, research scientists, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. See how at www.quantum.com.