



FEATURES AND BENEFITS

- Data transfer rates in excess of 216GB/hr
- 3TB capacity in 4U
- RAID 5 or RAID 10 protected disks
- Integrates with most tape libraries
- Hot-swappable disk drives
- Universally rack mountable
- Redundant 2 Gigabit Fibre Channel network interfaces
- Gigabit Ethernet interfaces for management and auxiliary functions
- Browser-based management support
- Emulates an ATL P1000 with two to six DLTtape™ drives for plug-and-play software compatibility
- Redundant fans, power supplies and interfaces for high availability
- Integrates seamlessly with existing backup software packages

Enhanced Backup Solutions

Enhanced Backup Solutions (EBS) are the next step in the evolution of data protection. Utilizing disk-based technology to compliment tape libraries, Enhanced Backup Solutions address the most significant backup challenges facing IT professionals: the time required for backup, confidence in completing all backup jobs and time to restore data.

Traditional Data Protection

One of the key roles of data protection is to backup, archive and restore data in a timely manner. In traditional data protection, your backup, archive and restore functions are done through the same backup device – an automated tape library or standalone tape drive. However, in today's 24x7 world, this approach to data protection is being taxed by shrinking backup windows, tremendous data growth and interruptions to the backup process. Quantum has responded to these issues with the development of the Quantum DX30 Enhanced Backup Solution.

Introducing the Quantum DX30 Enhanced Backup Solution

The Quantum DX30 enhances an existing tape backup system by separating the backup target from the backup archive. The Quantum DX30 utilizes the inherent strengths of disk (quick access, high-speed data transfer and RAID protection) to improve backup functions. As a result, your tape library can use its strengths (low cost, ability to write large block sizes, removable media and archival stability) to concentrate on what it does best — archival data storage. Furthermore, the data that you backup can now be restored in a minimal amount of time.

Here's how it works – after installing a Quantum DX30, backup jobs are done directly to the Quantum DX30 (the backup target) increasing backup speeds in excess of 216 GB/hour. The software platform designed into the Quantum DX30 precisely emulates a tape library (with two to six tape

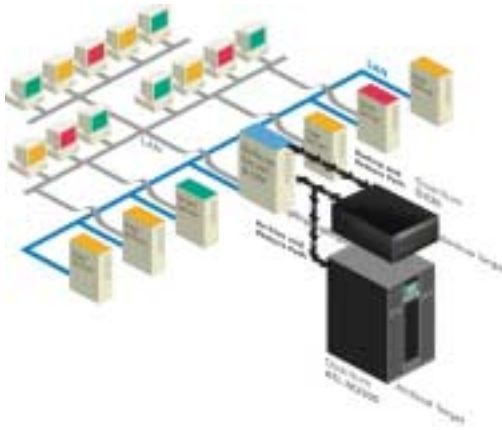
drives) allowing your backup software to function without modification. The Quantum DX30 uses RAID-protected disks to increase your confidence (beyond 99%) that the backup has been completed correctly and can be restored when needed.

After the backup has completed, you can export a copy of the backup data, using the cloning or copy functions of your existing backup software, from the Quantum DX30 to the tape library for archival storage. The data in the tape library (on removable tape media) can now be moved off-site for full disaster recovery protection. Your data now lives in both the Quantum DX30 (available for quick restore) and in your tape library (archived or off-site for full disaster recovery protection). You now have the flexibility to choose where and how long to keep your data — based on your data restoration needs.

Complete Solution - Easy to Integrate and Use

The Quantum DX30 is a complete solution – containing both the software and hardware needed to enhance your backup system. The Quantum DX30 preserves existing investments in backup hardware and software while enhancing backup performance, confidence and restore time. The Quantum DX30 emulates and “looks” like a tape library to the backup software so the backup software will work without modification since it thinks it is writing data to a tape library. The DX30 is even intelligent enough to handle “change medium” and cleaning cartridge commands even though neither is needed in a disk based system. Changes to your backup and restore policies and procedures are made only at your option to improve your backup process. You will find that the DX30 enables you to have a greater degree of flexibility in your approach to backup and restore that was simply not available to you before the introduction of Enhanced Backup Solutions.





The Quantum DX30 is an extremely cost-effective and painless way to enhance your existing backup system. Prior to the introduction of the DX30, there was a huge technology and cost gap between traditional backup systems installed in most data centers and high availability data protection systems consisting of expensive and complex mirroring and replication

hardware and software. The features and functionality of the Quantum DX30 give the IT manager a new choice in data protection by solving problems normally addressed only by those very high-end systems that are far beyond the reach of all but the very largest of IT budgets.

The Quantum Advantage

Taking advantage of over a decade of experience in the data protection business, Quantum has once again rewritten the book on data backup, restoration and archiving. Our knowledge of backup procedures and processes gained through tens of thousands of customer installations coupled with our strong industry relationships with key vendors of related data protection hardware and software, uniquely positions Quantum as the premier vendor to bring this evolutionary technology to the market. Throughout the development process, Quantum has tirelessly worked with our

customers and partners to ensure that the DX30 delivers on the promise of enhanced backup and that our customers are truly able to realize all of its benefits when they install this solution in their IT environment. This product, combined with Quantum's reputation for service, support, and excellence in backup provide value unmatched by any other vendor.

StorageCare Product Warranty and Services

The Quantum DX30 includes a one-year Next Business Day (5X9XND) on-site warranty. Under the 5x9xNext Day warranty, a StorageCare Field Engineer responds on-site during the next business day, five days a week, nine hours a day (Monday-Friday, 8AM-5PM, local time, excluding Quantum or country holidays). In addition, Quantum offers a variety of StorageCare product installation, integration, on-site service and support options to complement your Quantum DX30.

QUANTUM DX30 SPECIFICATIONS

Capacity

RAID 5 App. 3TB
RAID 10 App. 2TB

Performance

In excess of 216 GB/hr

Host Interfaces

Hardware Dual 2 Gigabit Fibre Channel (LC connector)
Dual 10/100/1000-BaseT Ethernet
(for management and future features)

Software SCSI-3 Medium Changer command set
DLT7000 command set
(Redundant host interfaces)

Power Requirements

Voltage 100 to 240 VAC
Frequency 47 to 63 Hz
Current 5A @ 115 VAC / 2.5A @ 230VAC
Power Cord Connector IEC 60320 C13 Connector
Power Consumption 575 W Max.

Cabinet Characteristics

Height 6.88 in. (175mm)
Bezel width 19.0 in. (482.6mm)
Chassis width 17.5 in. (444mm)
Depth 25.5 in. (647.7mm)
Weight 115 lbs

Environmental

Operating
Humidity 20% to 80%, noncondensing
Temperature 50°F to 95°F (10°C to 35°C)
Altitude -984 to 10,000 feet (-300 to 3,048m)
Shock 20 G (2ms half-sine) 10G (11ms half-sine)
Vibration 0.25 Grms (Random)
0.5 G Swept Sine (5-500-5 Hz) No Errors
1.0 G Swept Sine (5-500-5 Hz) No Data Loss
1962 BTU/Hr. (Typical)

Non-operating (storage & shipping)

Humidity 10% to 90%, noncondensing
Temperature -40°F to 150°F (-25°C to 60°C)
Altitude -984 to 39,370 feet (-300 to 12,000m)
Shock 75 G (11 ms half-sine pulse)
200 G (2ms half-sine pulse)
Vibration 0.25 Grms (Random)

Agency Approvals

Safety UL 1950 Listed, CSA, C22.2-No. 950, (73/23 EEC), EN60950, EN60825, GS-Mark
Emissions FCC Part 15 Class A, ICES-003, CE Mark (89/336 EEC), VCCI Class A, C-Tick, BSMI

Quantum DX30

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