

## Quantum Echelon Series Disk-Based Backup Systems

### FEATURES AND BENEFITS

- Purpose-built for Simplicity - The design makes deployment straightforward and fast.
- Rackmount Form Factor - Integrates easily into existing environments and data centers.
- Unique Optyon hardware-based 2:1 Data Compression - Double your capacity or more with no performance penalty.
- Hot-swappable Drives - Change a drive with no disruption to operations.
- Emulates up to 32 (DX3000) or 64 Tape Drives (DX5000) - Run a large number of backup jobs concurrently, maximizing throughput and minimizing backup time.
- Common Architecture - Across the DX-Series, one common design simplifies training, deployment, and software compatibility.
- Supports Partitioning - Allows for asset allocation by business unit, department or financial account.
- StorageCare™ Guardian at No Extra Cost - StorageCare™ Guardian enables Quantum to proactively monitor the health of your device over the Internet and remotely service the equipment if necessary.

### Innovative Disk-based Backup

Quantum DX3000 and DX5000 disk-based backup solutions bring the innovative features of Quantum's Echelon DX-Series Virtual Tape Library systems to small and mid-sized organizations as well as departments within larger organizations - giving our customers the broadest range of choices for disk-based backup in the industry.

These easy-to-deploy rackmount appliances are optimized for backup and recovery and offer useable capacities from 1.2TB to 14.4TB. They're also optimized for performance. You can count on file restore times five to 10 times faster than tape libraries, with complete confidence in backup success. These appliances are the ideal choice when rapid and reliable recovery is required in the event of data loss or disaster.

The DX5000 appliance offers enterprise-class tape emulation for the medium-sized enterprise in a high-density rack mount design - at a groundbreaking price.

The DX3000 is sized for the small business or department, offering excellent reliability and secure remote management that makes it ideal for a remote or branch office environment.

### Simple Implementation

No need for a storage expert to integrate and operate these disk-based backup appliances. DX3000 and DX5000 systems are compatible with almost any existing backup environment and can be installed and configured easily. Choose from iSCSI or Fibre Channel SAN configurations to suit your needs.

### Compression without compromise

With Optyon™ Data Compression, you can benefit from 2:1 compression while still enjoying the speed of disk-based backup. Unlike software compression solutions which may slow data throughput up to 50 percent, Optyon ensures full performance at all times.

### Complete flexibility

Quantum's Echelon DX-Series gives you a number of configuration choices, including connectivity and target type, capacity and price point - even chassis size. Quantum has made it easy to balance your cost, capacity and functionality priorities.

### Comprehensive service and support

The DX3000 and DX5000 include a Guardian One-year On-site standard warranty. The warranty can be extended to three years at an affordable price. Additional service contracts upgrading response levels to 5x9x4 and 7x24x4 are also available. Professional Installation and Integration services can be purchased through Quantum. Please check with a Quantum representative for availability in your region.

The DX3000 and DX5000 are supported by StorageCare™ Guardian. StorageCare™ Guardian enables Quantum to proactively monitor the health of Quantum systems over the internet and uses intelligent diagnostics data to remotely service the equipment if issues arise. StorageCare™ Guardian offers highly reliable backups and faster problem resolution at no extra cost.

Guardian One-year On-site: With StorageCare™ Guardian installed, 5x9 next day on-site target response for the chassis, raid controllers and Optyon adapters; and Rapid Exchange for the power supplies, fans and disk drives. Warranty support will be commercially reasonable effort if StorageCare™ Guardian is not installed.



## Quantum Echelon Series Disk-Based Backup Systems

### About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders, libraries and disk-based backup systems.

### QUANTUM'S ECHELON DX-SERIES SPECIFICATIONS

	DX3000	DX5000			
<b>Capacity</b>			<b>Power Environment</b>		
Raw Capacity	1.6TB to 3.2TB	4.8TB to 9.6TB	Electrical Inputs Voltage	100 VAC to 240 VAC	110 VAC to 240 VAC
Usable, Uncompressed	1.2TB to 2.8TB	3.6TB to 7.2TB	Rated Frequency	50 to 60 Hz	
Usable, Compressed	2.4TB to 5.6TB	7.2 TB to 14.4TB	Rated Current	4A at 230 VACx2	5A at 230 VACx4
			Consumption	500 Watts	700 Watts
<b>Power Input</b>	Power Cord NEMA 5-15P to C13 3 connectors	Power Cord NEMA 5-15P to C13 4 connectors	<b>Climatic Environment</b>		
<b>Host to DX Interfaces</b>			Temperature		
Software	SCSI-2 medium changer command set		Operating	50° F to 95° F (10° C to 35° C)	
Hardware	10/100/1000 BaseT Ethernet 2 Gb Fibre Channel (Optional)		Shipping and Storage	-4° F to 140° F (-20° C to 60° C)	
<b>VTL Capabilities</b>			Relative Humidity		
Virtual Tape Drives	1-32	1-64	Operating	20% to 80%, non-condensing	
Partitions	1-8	1-16	Shipping and Storage	15% to 95%, non-condensing	
Virtual Cartridges	up to 400	up to 1600	Altitude		
			Operating	0 to 10,000 ft (0 to 3,048 m)	
			Shipping and Storage	0 to 39,370 ft (0 to 12,000 m)	
			Heat		
			Operating	1,880 Btu/hour to 3590 Btu/hour 0.6 KW to 1.1 KW	
				<b>DX3000</b>	<b>DX5000</b>
			<b>Physical Characteristics</b>		
			Chassis Width	19 in (48.3 cm)	19 in (48.3 cm)
			Chassis Height	3.5 in (8.8 cm) 2U	8.75 (22.2 cm) 5U
			Chassis Depth	27 in (68.5 cm)	25.4 in (64.5 cm)
			Chassis Weight	50 lbs (22.68 kg)	122 lbs (55.33 kg)

# Quantum

For more information,  
visit [quantum.com](http://quantum.com)

**United States of America**  
Quantum Corporation  
141 Innovation Drive  
Irvine, CA 92612  
U.S.A.  
phone 949.856.7800  
fax 949.856.7799

**European Headquarters**  
Quantum Corporation  
3 Bracknell Beeches  
Old Bracknell Lane West  
Bracknell  
Berkshire RG12 7BW  
United Kingdom  
phone +44 1344 353500  
fax +44 1344 353510

**Asia Pacific**  
Quantum Storage Singapore Pte Ltd  
9 Temasek Blvd. #08-03  
Suntec Tower Two  
Singapore 038989  
phone +65 6432 2812  
fax +65 6432 2790