Quantum.

Quantum RDX

Fast, simple, reliable and compact disk-based data protection system

FLEXIBLE ONSITE/OFFSITE DATA BACKUP

MULTIPLE, INTERCHANGEABLE CARTRIDGE CAPACITIES

DATA DEDUPLICATION TECHNOLOGY

3 YEAR RAPID EXCHANGE WARRANTY

The Quantum RDX® system is a fast, simple, reliable and compact disk-based data protection system that satisfies the backup and archive needs of today's fast-paced business. Combining the removability and high capacity of tape with the random file access and performance of disk, the Quantum RDX provides a compelling answer to the onsite/offsite data protection needs of small businesses and branch offices.

Along with the dock and the removable data cartridge, the Quantum RDX system includes GoProtect™ backup software for Windows®. This software incorporates data deduplication technology to provide an extremely cost-effective solution, reducing the number of cartridges required for effective backups by up to 20:1. Each time you run a backup, GoProtect only stores the data that has changed, thus significantly saving disk space. When you restore, the software automatically reassembles the pieces so you get the full file as it existed on the date you are requesting. This process dramatically increases the number of backup data sets that can be stored on a single disk, as well as the number of available recovery points. The result is reduced media handling, simplified management, and faster restores.

Quantum RDX cartridges contain a rugged 2.5-inch mobile hard drive in a highly-effective shock-resistant mounting. They are available in various capacities, all of which are read and write compatible and interchangeable with any RDX dock. Choose from the easily-integrated SATA or USB internal dock, which can be quickly installed into a server or desktop 5.25-inch bay, or the convenient tabletop USB dock that can be connected in seconds.

FEATURES AND BENEFITS

- **Fast** – Backups complete in minutes. Quick access to data for fast restores.

- **Simple** – Every backup appears as a full backup; no hunting through incrementals like tape. To restore, simply pick a recovery date, then drag and drop files from Windows Explorer.

- **Reliable** – Ruggedized cartridges can withstand a one-meter drop to a hard surface without damage, and they have a 30-year archive shelf life in a normal office environment.

- **Affordable** – Cartridges can be used for months without filling up, thanks to data deduplication technology.

- **Powerful** – The GoProtect software includes integrated protection for your Microsoft Exchange email system and SQL Server databases.

- **Secure** – Supports Government level security with the highest level AES-256 bit Encryption Standard.

rdx®

DRIVE CAPACITY AND PERFORMANCE

Drive Type:	Quantum RDX
Cartridge Capacity (GB)*:	160, 320, 500, 640
Drive Transfer Rate, Average Sustained:	Up to 25 MB/sec USB and 45 MB/sec SATA
Drive Access Time, Average:	15 msec
Interface:	Internal 5.25" SATA or USB 2.0 dock, 4-pin disk drive style power connector; Tabletop USB 2.0 dock

COMPATIBILITY

Dock:	RDX can be used as an external hard drive. See www.quantum.com for operating system compatibility.
GoProtect Backup Software:	Windows 2003 and 2008 Server (32 and 64 bit), Windows XP SP2, Vista and Windows 7

RELIABILITY

Cartridge:	5,000 load/unload cycles
Dock:	10,000 load/unload cycles
MTBF:	550,000 hours MTBF
Cartridge Archive Life:	30 years
Unrecoverable Error Rate:	1 error in 10^{14} bits read

MECHANICAL SHOCK

SYSTEM, OPERATING (half-sine pulse)

Internal:	10Gs @ 11 msec, 65Gs @ 2 msec
Tabletop:	31Gs @ 2.6 msec

SYSTEM, NON-OPERATING (half-sine pulse)

Internal:	40Gs @ 11 msec, 145Gs @ 2 msec
Tabletop:	71Gs @ 2 msec

CARTRIDGE, NON-OPERATING: 1 m (39.4 in) drop to tile over concrete floor

PHYSICAL SPECIFICATIONS

Form Factor	Internal Dock	Tabletop Dock	Cartridge
Width (in/mm)	5.75 / 146.0	4.32 / 109.8	3.40 / 86.6
Height (in/mm)	1.63 / 41.4	2.04 / 51.8	0.93 / 23.68
Length (in/mm)	6.77 / 171.9	7.00 / 177.5	4.69 / 119.18
Weight (lbs/g)	1.40 / 635	1.19 / 540	0.38 / 173

MECHANICAL VIBRATION

SYSTEM, OPERATING

Magnitude:	0.5G
Range:	5 to 500 to 5 Hz @ 1 Hz/sec (swept sine)

DOCK, NON-OPERATING (swept sine)

Magnitude:	1G
Range:	5 to 500Hz @ 0.5 Oct/min

DOCK, NON-OPERATING (random)

Magnitude:	2G RMS
Range:	1 to 200Hz @ 15 min/axis
CARTRIDGE (max):	0.5G operating, 1.0G non-operating

ENVIRONMENTAL

SYSTEM, OPERATING

Temperature °F (°C):	50° to 104° (10° to 40°)
Humidity:	20% to 80% RH Non-condensing
Altitude (maximum):	10,000 ft MSL

SYSTEM, NON-OPERATING

Temperature °F (°C):	-40° to 149° (-40° to 65°)
Humidity:	10% to 90% RH Non-condensing

CARTRIDGE, OPERATING

Temperature °F (°C):	50° to 104° (10° to 40°)
Humidity:	20 to 80% RH Non-condensing

CARTRIDGE, NON-OPERATING

Temperature °F (°C):	-40° to 149° (-40° to 65°)
Humidity:	10 to 90% RH Non-condensing
Altitude (maximum):	35,000 ft MSL

CARTRIDGE, LONG-TERM STORAGE

Temperature °F (°C):	50° to 86° (10° to 30°)
Humidity:	20 to 60% RH Non-condensing
VOLTAGE (V):	+ 5, +12 VDC internal, 100-240 VAC tabletop

POWER CONSUMPTION (W)

Internal SATA:	7.5 typical, 13 peak
Internal USB:	6.6 typical, 20 peak
Tabletop USB:	6.6 typical, 12 peak

WARRANTY

Dock:	3 years limited with Rapid Exchange
Cartridge:	3 years limited with Rapid Exchange

Model Numbers and Descriptions

RDX Dock Only (no cartridges)

Includes GoProtect backup software and cables.

TR000-CNDA-S0BA	Quantum RDX Internal Dock, SATA
TR000-CNDB-S0BA	Quantum RDX Internal Dock, USB 2.0
TR000-CTDB-S0BA	Quantum RDX Tabletop Dock, USB 2.0

RDX Tabletop Kits

Includes USB Tabletop dock and cables, GoProtect backup software, one RDX cartridge. Model numbers may be added or deleted as hard drive capacities evolve.

TR016-CTDB-S1BA	Quantum RDX Tabletop Dock, USB 2.0, one 160GB cartridge
TR032-CTDB-S1BA	Quantum RDX Tabletop Dock, USB 2.0, one 320GB cartridge
TR050-CTDB-S1BA	Quantum RDX Tabletop Dock, USB 2.0, one 500GB cartridge
TR064-CTDB-S1BA	Quantum RDX Tabletop Dock, USB 2.0, one 640GB cartridge

Quantum RDX Cartridges*

All RDX and RD1000 docks are compatible with the cartridges below.

MR016-A01A	160GB uncompressed
MR032-A01A	320GB uncompressed
MR050-A01A	500GB uncompressed
MR064-A01A	640GB uncompressed

* Cartridges may be added or deleted as hard drive capacities evolve.

For contact and product information, visit quantum.com or call 800-677-6268

Quantum.

Preserving the World's Most Important Data. Yours.™

About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi®-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.