



Pathlight VX 650

Enterprise Disk-Based Backup

Quantum's® Pathlight® VX 650 is the scalable enterprise backup and restore solution that integrates disk and tape in a single, unified system. Pathlight VX 650 starts by leveraging ATA disk arrays to double users' backup performance and give it RAID reliability. Then it integrates the capacity and value of tape to deliver true enterprise scalability and disaster recovery support. Pathlight VX 650's embedded path to tape and advanced management options provide backup data life cycle management choices that no conventional library or disk backup system can offer. Pathlight VX 650 integrates easily into existing data protection environments so users know their backup will be fast and certain and their data protection investment will be preserved.



The Pathlight VX 650 disk backup solution doubles backup and restore performance and integrates the capacity and value of tape in a unified storage environment.

DISK-BASED BACKUP SOLUTION

3.8 TO 71.5TB DISK CAPACITY

UP TO 2.0TB/HR PERFORMANCE

INTEGRATED DISK-TO-TAPE ARCHITECTURE

FEATURES AND BENEFITS

- Enterprise disk-based backup and restore solution designed to increase the reliability and performance of your most difficult backup jobs
- Integrates the performance and reliability of disk with the capacity and value of tape in a single unified solution
- Disk-to-tape data movement is integrated—no negative impact on your servers or SAN
- Exports media under backup software control in native application format for flexible disaster recovery
- Integrated disk-to-tape solution provides lower total ownership costs
- Presents disk-based backup system as virtual tape library—preserves user's investment in existing backup processes
- Supports Quantum Scalar®, Sun/StorageTek L-Series, and IBM 3584 libraries to preserve users' investment
- Two-year, 7x24 on-site service standard from Quantum—the leader in open systems backup solutions

Expanding The Capabilities Of Disk-Based Backup

SOLUTIONS FROM THE LEADER IN OPEN SYSTEMS BACKUP

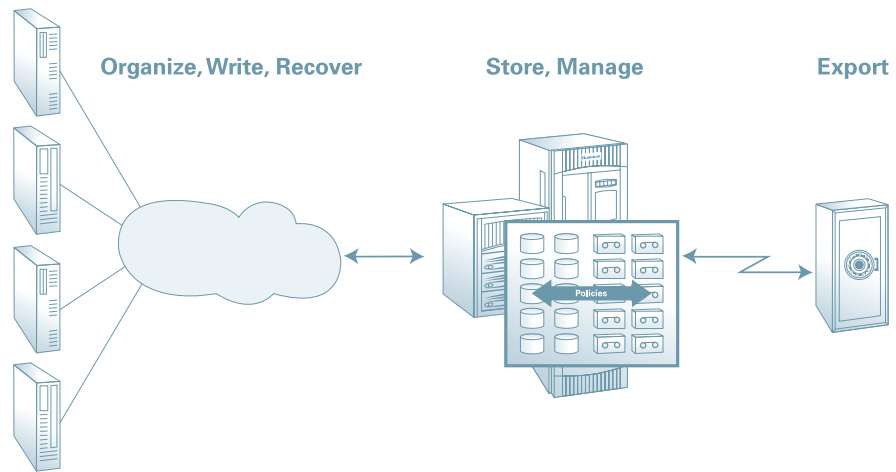
As the worldwide market share leader for libraries used to protect open systems environments, Quantum designs, markets, and supports backup solutions that safeguard some of the world's most critical data.

With Quantum, IT departments have a partner that understands the demands of enterprise backup, a global team of proven channel partners, and an international service organization with expertise in both system integration and post-installation support.

Quantum backup solutions give IT departments confidence in the integrity of their data, no matter what storage media they deploy.

With Pathlight VX 650 the benefits of disk and tape are integrated into a single, unified backup system with a single point of management. To backup applications, Pathlight VX 650 looks like a conventional library— so it fits easily into existing environments. But instead of writing to physical tapes, the data is written initially to disk, which is presented to the backup software as a virtual library. Tapes for export, written in the native format of the backup application, are created in the background for long-term data retention and disaster recovery. With Pathlight VX 650, data movement between disk and tape is integrated, so it never slows down application servers or increases backup SAN traffic.

Pathlight VX 650 also provides the option of using policy-based management to provide life cycle management for your backup data, adding a layer of capacity management and data protection that no other library or disk-based product can offer. These policies include automated migration and co-located media—allowing export of one copy of data while a second remains in the virtual library for fast restores.



The integrated Pathlight VX 650 disk-based enterprise backup solution fits easily into existing backup environments, presenting its unified storage to applications as a virtual library. Export tapes are written in the native format of the backup application so they can be read in any standard tape drive.

Pathlight VX 650

Integrated Disk-based Backup Solution for Performance, Scalability, and Value

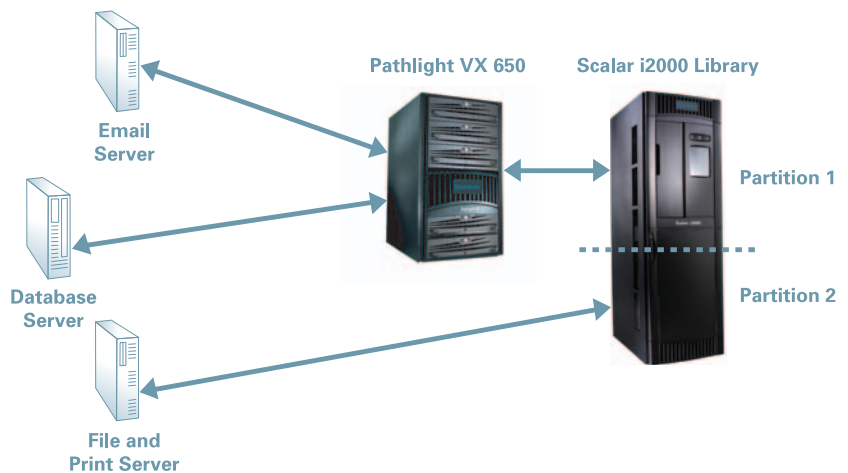
Quantum's Pathlight VX 650 provides a fully integrated disk backup solution with a single point of management to combine performance, scalability, value, and simplicity of operation.



- Leverages ATA disk arrays for high performance and fault tolerance
- Tape export controlled by backup software in native application format for flexible disaster recovery
- Integrates disk and tape in a single, unified environment
- User-defined policies provide advanced life cycle management for backup data
- System presented as virtual library to retain investment in current backup processes

Protects Critical Data

Quantum's Pathlight VX 650 delivers premium protection for your organization's most difficult-to-backup data. In this example, email and database information is backed up to disk, while tapes are created automatically in one library partition for disaster recovery and retention. File and print server data is backed up directly to tape using a separate partition in the same library.



SYSTEM CAPACITY AND PERFORMANCE

DISK ELEMENTS		
Usable (TB)	Capacity	
	Raw (TB)	Throughput (TB/hr)
3.8	4.8	0.6
5.9	7.5	0.6
11.8	15.0	0.6
17.7	22.5	0.6
35.6	45.0	1.2
53.6	67.5	1.7
71.5	90.0	2.0

SUPPORTED TAPE LIBRARIES		
Library	Max Drives (LTO)	Max Tapes (LTO)
Scalar 24	2	24
Scalar 100	6	72
Scalar i500	18	402
Scalar 1000	48	938
Scalar i2000	96	3,492
Scalar 10K	324	13,884
(StorageTek) L180	10	174
(StorageTek) L700	20	678
(IBM) 3584	192	6,881

CONFIGURATION

Total Disk Capacity: 3.8TB to 71.5TB
Virtual Libraries: 1 to 32 virtual libraries
Drive Support: Up to 40 logical drives accessible simultaneously
Throughput: Up to 2.0TB/hr
Restore Path: Restore path can be from disk, directly from tape to host, or from tape to host via disk

RELIABILITY

MTRR: Less than 30 minutes
Diagnostics: Embedded monitoring of major subsystems, health checks, self-diagnostic procedures, and email alerts to system administrators and Quantum Global Services
System: ATA technology with hot-swap capability, redundant metadata file locations, optional 2N power

OPERATION

Configuration: Auto-discovery for installed/added components
Upgrade: Meantime to upgrade is less than 30 minutes
Tape Libraries Supported: Quantum Scalar 24, Scalar 100, Scalar i500, Scalar 1000, Scalar i2000, Scalar 10K; Sun/StorageTek L180, L700, IBM 3584
Export Tape Format: Exports tapes using standard backup application format

ENVIRONMENTAL

For detailed electrical, AC power, temperature, and heat dissipation information please go to www.adic.com/pathlightvx650specs

COMPLIANCE AND CERTIFICATION

Safety: UL 1950 ITE, CSA 950, EN 60950
Emissions: FCC #47 CFR, Part 15, Class A, CSA C108.9M, EN 55022, Class A
Immunity: IEC (1000-4-2, 3, 4)
International: CE

SOFTWARE AND PLATFORMS

Please contact a Quantum sales representative for a complete list of software and platforms compatible with the Pathlight VX 650, or go to www.adic.com/CertificationMatrix

STORAGE NETWORKING SUPPORT

Platform/Connectivity: 2Gb Fibre Channel
Management Services: Error recovery, SAN security

RACK AND WEIGHT REQUIREMENTS

Pathlight VX Controller: 4 rack units, 105lb. (47.6kg) max
Disk Controller: 4 rack units, 164.1lb. (74.6kg)
Disk Unit (3.8TB): 3 rack units, 84lb. (38kg)
Tape Storage: See datasheets for individual tape libraries


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

Quantum®

Backup. Recovery. Archive. It's What We Do.

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About Quantum

Quantum Corp. (NYSE:DSS) 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. 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.