



Scalar i6000

The Intelligent Tape Library for Enterprise Archive, Disaster Recovery and Long-term Data Retention

Protecting and retaining your data can be challenging. Keeping pace with fast, unpredictable data growth in a cost and time efficient manner pushes IT staff to their limits. Ensuring that data is secure and available over long periods of time adds to these challenges. The Scalar® i6000 tape library was designed to solve these problems and simplify your environment.

The i6000 scales up to 16PB of data, supporting large enterprise storage environments. Capacity-on-demand offers fast, flexible, and non-disruptive growth, easing the difficulties of managing dynamic storage requirements. Quantum customers experience significant management time savings due to the intelligent and proactive features in iLayer management software, up to 75% savings compared to other libraries. The new Extended Data Life Management feature ensures your archived media is trouble free so the data is available when you need it. Security features like access control and FIPS compliant encryption key management safeguards your data while it's in the library, after export, and when it's offsite.



The Scalar i6000 features ultra high density and a 19-inch rack form factor and scales from 100 to 5,322 cartridges.

AUTOMATION

1 TO 96 DRIVES

100 TO 5,322 CARTRIDGES

INTEGRATED iLAYER MANAGEMENT SOFTWARE

CAPACITY-ON-DEMAND

LIBRARY-MANAGED MEDIA INTEGRITY CHECKING OF ARCHIVED DATA

FEATURES AND BENEFITS

- **iLayer Intelligent Software** – Intelligent software automates administrative tasks, reducing administrative time up to 75% compared to other tape library products.
- **Extended Data Life Management** – Exclusive iLayer feature used to ensure availability of your data placed in long-term storage/archive/DR. Integrated with StorNext Storage Manager to automate protection of archived data.
- **Advanced Reporting** – Media, drive and security reports improve understanding of library utilization and performance. Automated report scheduling and distribution save time.
- **Native Storage Networking** – Control path and data path failover features reduce downtime. LUN mapping capability improves security.
- **RAS Ticketing** – iLayer proactively monitors library, drives and media to identify issues before they disrupt operations. Detailed diagnostics and steps to repair are presented in plain english.
- **Tape Consolidation** – Library capacity, high availability features, and partitioning support tape consolidation, delivering significant ROI.
- **Bulk Cartridge Imports/Exports** – Extended I/E feature creates a logical/virtual I/E station inside the library for fast imports and exports. New 72 slot mailbox supports the largest import/export capability in the industry.
- **Modular Architecture with Continuous Robotics** – Provides flexible scalability in a standard 19" rack form factor without sacrificing reliability.
- **Capacity-on-Demand Growth** – Simplifies storage growth by scaling quickly, easily and without disruption.
- **Native SMI-S Support** – Easily integrates into most SRM environments.
- **Quantum Vision™ Management Software Support** – Reduces management time in multiple device environments and integrate easily with Quantum disk backup solutions.
- **Scalar Key Manager Support** – FIPS validated solution makes it easy to manage keys, mitigating risk of lost data. LTO-4 and LTO-5 Drives use AES-256 Bit Encryption Standard for highest levels of security.
- **StorageCare® Guardian Support** – Remote monitoring service that improves system reliability without adding cost.

CAPACITY CONFIGURATIONS

TOTAL DRIVE, CARTRIDGE AND CAPACITY RANGES			
Technology	Drives	Cartridges	Capacity (TB) ¹
LTO-5 ²	1 to 96	100 to 5,322	15,966
LTO-4 ²	1 to 96	100 to 5,322	8,515
LTO-3 ²	1 to 96	100 to 5,322	4,257
DLT-S4	1 to 96	100 to 2,910	4,656
SDLT 600	1 to 96	100 to 2,910	1,746

CAPACITY-ON-DEMAND

Starting Points*: 100, 200, 400, 700, 1500, 3000*, and 5000*

*Only available with LTO.

OPERATION

Drive Interface: Native Storage Networking 8Gb FC, Native 8Gb FC, Storage Networking 4Gb FC
Library Interface: 8Gb FC bridged through the drive, or 4Gb FC bridged through the integrated I/O blade
Inventory Speed: 100 slots in 20 seconds
Configuration: Auto-discovery and auto-calibration for installed/added components (modules, tapes, drives, magazines, etc.)

IMPORT/EXPORT OPTIONS

Control Module: One I/E Station with 24 LTO slots or 20 SDLT slots
Expansion Modules: Option for no import export, 24 LTO slot I/E station, 20 SDLT slot I/E station, or 72 LTO slot I/E station; I/E station options only available on first seven expansion modules; Up to 7 I/E Stations
 24 LTO Slot I/E Stations; 20 SDLT slots
 72 LTO Slot I/E Stations
Maximum I/E Station Slots: 528 LTO Slots; 160 SDLT slots
Extended I/E: Supports any number of logical I/E slots up to 240 per partition

ENVIRONMENTAL

Electrical: 100-240 VAC , 2-24 kVA
Temperature: 15 to 32°C operating
Humidity: 10 to 90% non-condensing operating

PHYSICAL

System	H×W×D
Control Module (H×W×D):	77.4"×24.3"×38.3" (196.6cm×61.7cm×97.4cm)
Expansion Module (H×W×D):	77.4"×23.6"×38.3" (196.6cm×59.9cm×97.4cm)

RELIABILITY

Library MSBF: Greater than 2,000,000
Library MTTR: 20 minutes
Power: Optional 2N power for all modules
Diagnostics: Embedded monitoring of major subsystems, self-diagnostic procedures, and policy-based email and pager alerts to system administrators and Quantum Global Services
Module Upgrade: Expansion module hardware is free of charge with purchase of Capacity on Demand license keys. Expansion Modules can be easily installed in less than a day.

COMPLIANCE AND CERTIFICATION

Safety: TUV IEC-60950-1:2006 CB Scheme, EN60950-1 2nd Edition
Emissions: Class A: FCC CFR-47 Part 15, CISPR 22, EN55022, VCCI, KCC
Immunity: EN55024, KN55024
International: CE, cTUVus, KCC (MIC), GOST, VCCI

SOFTWARE AND PLATFORMS

Consult the most recent Software Compatibility Guide on www.quantum.com for a complete list of software and platforms compatible with Scalar i6000.

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity Native/Compressed ¹ (GB)	Drive Throughput Native/Compressed ¹ (MB/sec)	Encryption Support
LTO-5 ²	1,500 / 3,000	140 / 280	Yes
LTO-4 ²	800 / 1600	120 / 240	Yes
LTO-3 ²	400 / 800	80 / 160	No
DLT-S4	800 / 1600	60 / 120	No
SDLT 600	300 / 600	36 / 72	No

Please see www.quantum.com for more drive specifications.

- 1 Assumes 2:1 compression.
- 2 Choice of IBM or HP models.

ADVANCED FEATURES

Advanced Reporting: Media Integrity Analysis report, Media Usage report, Drive Utilization report, Security report and media removal notifications, Report scheduling with automated report creation and delivery to distribution lists

Extended Data Life Management: Media health reports of cartridges stored for long-term archive and DR, information is collected outside of normal operations:
 – Automated scheduling for scanning tapes
 – Notifications on test results
 – Policy based data migration to new cartridges based (only available with StorNext Storage Manager)

Native Storage Networking: Control Path Failover, Data Path Failover, LUN Mapping, Drive Firmware Autoleveling

Library Partitioning: Supports up to 16 partitions for tape consolidation

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



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

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global specialist in backup, recovery, and archive. From small businesses to multinational enterprises, more than 50,000 customers trust Quantum to solve their data protection, retention and management challenges. Quantum's best-of-breed, open systems solutions provide significant storage efficiencies and cost savings while minimizing risk and protecting prior investments. They include three market-leading, highly scalable platforms: DXi®-Series disk-based deduplication and replication systems for fast backup and restore, Scalar® tape automation products for disaster recovery and long-term data retention, and StorNext® data management software for high-performance file sharing and archiving. Quantum Corp., 1650 Technology Drive, Suite 800, San Jose, CA 95110, (408) 944-4000, www.quantum.com.