



Scalar i6000

The Intelligent Tape Library
for Enterprise Archive 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 Media Data Integrity Analysis feature (MeDIA) 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** – Integrated software makes the i6000 easy to manage, reducing administrative time up to 75% compared to other tape library products.
- **Media Data Integrity Analysis (MeDIA)** – A new, exclusive iLayer feature used to ensure availability of your data placed in long-term storage/archive/DR. These checks are done in the background, outside of normal application operations.
- **Advanced Reporting** – Improves library performance and backup reliability. iLayer collects drive and media statistics as part of normal library operations. Provides reports on tape drive utilization, media usage, and media health.
- **Integrated Storage Networking Capabilities** – Multiple library and drive features improve performance, availability, reliability, and security within SAN environments.
- **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** – Easily manage encryption 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-54	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: 115-230 VAC, 2-16 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: UL-1950 ITE, CSA950, 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

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	Drive Throughput	Encryption Support
	Native/Compressed ¹ (GB)	Native/Compressed ¹ (MB/sec)	
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-54	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.

MEDIA HEALTH REPORTING

Advanced Reporting: Tape alert reports taken from normal read/write operations
MeDIA: Media health reports of cartridges stored for long-term archive and DR, information is collected outside of normal operations

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



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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.