



Scalar i500

The Intelligent Scalable Midrange Tape Library

The Quantum Scalar® i500 is the intelligent scalable tape library that gives growing midrange storage environments faster, easier, and more reliable data protection. It combines a modular design with continuous robotics to provide industry-leading scalability, performance, and reliability. The Scalar i500 includes Quantum's iLayer software with proactive monitoring and remote diagnostics that can reduce management time by 75%, reduce service calls by 50%, and shorten issue resolution times by 30%. Its capacity-on-demand scalability lets it grow non-disruptively with users' data. And the Scalar i500 is designed to integrate easily with disk backup, making it the perfect library for tiered storage architectures. With the Scalar i500, IT managers can be assured they have a scalable, reliable, high-performance archive and effective long-term protection for years into the future, no matter how their storage needs evolve.



The Scalar i500 combines a modular architecture with a single, continuous robotics system for the industry's leading combination of scalability, performance, reliability, and value.

AUTOMATION

1 TO 18 DRIVES

41 TO 409 CARTRIDGES

MODULAR GROWTH,
CONTINUOUS ROBOTICS

CAPACITY-ON-DEMAND

INTEGRATED iLAYER
MANAGEMENT SOFTWARE

FEATURES AND BENEFITS

- **iLayer Intelligent Software** – Integrated management software makes the i500 easier to manage, reducing administrative time up to 75% compared to other tape library products.
- **Proactive Monitoring and Remote Diagnostics** – Improves your service levels by reducing service calls 50% and shortens resolution time by 30%.
- **Scalable Within a Rack** – Easily deployed in almost any environment.
- **Modular Architecture with Continuous Robotics** – Provides flexible scalability without sacrificing reliability.
- **Capacity-on-Demand Growth** – Simplifies storage provisioning by scaling quickly, easily and without disruption.
- **Integrated Storage Networking Capabilities** – Multiple library and drive features improve performance, availability, reliability, and security within SAN environments.
- **Native SMI-S Support** – Easily integrates into most SRM environments.
- **Vision Management Software Support** – Reduces management time in multiple device environments and integrates easily with Quantum disk backup solutions.
- **Scalar Key Manager Support** – Easily manages encryption keys, mitigating risk of lost data. Uses AES-256 Bit Encryption Standard for highest levels of security.
- **StorageCare® Guardian Support** – Remote monitoring service that improves system reliability without adding cost.
- One year warranty with enhanced service options

CAPACITY CONFIGURATIONS

SYSTEM CAPACITY				
Module Size	Max Slots	Max Drives	Max Capacity (LTO-4, TB @ 2:1 compression)	Max Capacity (LTO-5, TB @ 2:1 compression)
5U Control Module	41	2	65.6	123
14U	133	6	212.8	399
23U	225	10	360	675
32U	317	14	507.2	951
41U	409	18	654.4	1227

9U expansion modules hold up to 92 tapes. At installation, users may select slot activation levels of 0, 46, or 92 tape positions.

OPERATION

Drive Interface:	8Gb fiber, 4Gb fiber, 6Gb SAS, 3Gb SAS, SCSI-2/SCSI-3 LVD interface options
Library Interface:	8Gb fiber, 4Gb fiber, 6Gb SAS, 3Gb SAS, SCSI-2/SCSI-3 LVD
Inventory Speed:	55 seconds for average 5U configuration; 110 seconds for average 14U configuration
Configuration:	Auto-discovery and auto-calibration for installed/added components (modules, tapes, drives, magazines, etc.)
Import/Export:	Up to 54 (LTO) positions in removable magazines

RELIABILITY

Library MSBF:	Greater than 2,000,000
Library MTTR:	30 minutes
Power:	Optional 2N power for all systems and drives
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:	Any storage module may be added in less than 30 minutes; customer-installable components include drives, fans, power supplies, slot upgrades

PHYSICAL

System	HxWxD	Weight
5U Base System	8.6" × 17.4" × 31.4" (21.9cm × 44.2cm × 79.8cm)	66 lbs (30 Kgs)
14U Base System	24.4" × 17.4" × 31.4" (61.9cm × 44.2cm × 79.8cm)	125 lbs (56.8 Kgs)
23U Base System	40.1" × 17.4" × 31.4" (101.9cm × 44.2cm × 79.8cm)	184 lbs (83.6 Kgs)
9U Expansion Module	15.8" × 17.4" × 31.4" (40cm × 44.2cm × 79.8cm)	59 lbs (26.8 Kgs)
Drive	8.9" × 13" × 16.4" (22.6cm × 33cm × 41.7cm)	10 lbs (4.6 Kgs)
Power Supply	8.9" × 13" × 16.4" (22.6cm × 33cm × 41.7cm)	5 lbs (2.3 Kgs)

SOFTWARE AND PLATFORMS

Consult the most recent Quantum Software Compatibility Guide on www.quantum.com for a complete list of software and platforms compatible with Scalar i500.

COMPLIANCE AND CERTIFICATION

Safety Standards:	IEC 60950 with worldwide country deviations
Emissions Standards:	CISPR 22 Class A, EN55022 Class A, EN61000-3-2, EN61000-3-3
Immunity Standards:	EN 55024
International Certifications:	CE (Europe), VCCI (Japan), TUV/GS (Germany), FCC (USA), ICES (Canada), cTUVus (USA & Canada), GOST (Russia), MIC (Korea), BSMI (Taiwan)

ENVIRONMENTAL

Electrical:	100-240 VAC, 50-60Hz
Temperature:	10 to 40°C operating
Humidity:	20 to 80% non-condensing operating

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity Native/Compressed ¹ (GB)	Drive Throughput Native/Compressed ¹ (MB/sec)	Data Buffer (MB)	File Access Time (sec)
LTO-5	1500 / 3000	140 / 280	256	60
LTO-4	800 / 1600	120 / 240	128	51
LTO-3	400 / 800	80 / 160	128	68

¹ Assumes 2:1 compression.

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.