Quantum®

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%. Capacity-on-Demand scalability enables non-disruptive growth as your capacity of data under management grows. The Extended Data Life Management (EDLM) feature ensures your archived media is trouble-free so the data is available when you need it. Security features like FIPS-compliant encryption key management safeguard your data while in the library, after export, and when off-site. 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 are assured of having scalable, reliable, secure, 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.

FEATURES & BENEFITS

iLayer Intelligent Software | Integrated management software makes the i500 easier to manage, reducing administrative time up to 75%.

Extended Data Life Management (EDLM) Exclusive iLayer feature ensures availability of data placed in long-term storage/ archive/DR.

Advanced Reporting | Media, drive and security reports improve understanding of library utilization and performance. Automated report scheduling and distribution save time.

Path Failover | Control path and data path failover features reduce downtime.

Proactive Monitoring and Remote Diagnostics Improves service levels by reducing service calls 50% and resolution time by 30%.

Capacity-on-Demand Growth Simplifies storage provisioning by scaling quickly, easily and without disruption.

Scalar LTFS | Optional appliance that presents tapes as NAS storage, enabling new ways to manage and access archive files.

Vision® Management Software Support Lets you monitor the i500 from your cell phone. Reduces management time in multiple-device environments and integrates easily with Quantum disk backup solutions.

Encryption | FIPS-validated solution with KMIP support makes it easy to manage keys, mitigating risk of lost data. LTO 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.

One year warranty with enhanced service options.

ULTRIUM LTO 5   ULTRIUM LTO 6   ULTRIUM LTO 7

> **LEARN MORE:**
www.quantum.com/scalar

CAPACITY CONFIGURATIONS

			SYSTEM CAPACITY		
Module Size	Max Slots	Max Drives	Max Capacity (TB)[1]		
			LTO-5	LTO-6	LTO-7
5U Control Module	41	2	123	256	615
14U	133	6	399	831	1,995
23U	225	10	675	1,406	3,375
32U	317	14	951	1,981	4,755
41U	409	18	1,227	2,556	6,135

9U expansion modules hold up to 92 tapes. At installation, users may select slot activation levels of 0, 46, or 92 tape positions.
Available with IBM or HP drives.
1 Assumes 2:1 compression for LTO-5. Assumes 2.5:1 compression for LTO-6 and LTO-7.

OPERATION

Interface Options:	8Gb fibre channel and 6Gb SAS
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.), drive firmware auto-leveling
Import/Export:	Up to 54 media slots 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 within the library; includes 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 some drives, fans, power supplies, slot upgrades

PHYSICAL

System	H×W×D	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 35°C operating
Humidity:	20 to 80% non-condensing operating

DRIVE CAPACITY AND PERFORMANCE

Drive Type	Cartridge Capacity Native/Compressed[1] (TB)	Drive Throughput Native/Compressed[1] (MB/sec)
LTO-7	6.0 / 15.0	300 / 750
LTO-6	2.5 / 6.25	160 / 400
LTO-5	1.5 / 3.0	140 / 280

[1] Assumes 2:1 compression for LTO-5. Assumes 2.5:1 compression for LTO-6 and LTO-7.

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 (only available with StorNext® Storage Manager)
Path Failover:	Control Path Failover, Data Path Failover
Library Partitioning:	Supports up to 18 partitions for tape consolidation

To learn more about Quantum Scalar, please visit www.quantum.com/scalar

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