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Quantum

Flexibility, Reliability, Scalability and Density

ATL M-Series



FEATURES AND BENEFITS

- **Value by design**—three models meet needs and price points of any customer
- **Trusted Quantum reliability**—field-tested tough by customers worldwide
- **Customizable performance and capacity**—eliminates need to "overbuy;" modular design for right-size solutions
- **SAN ready**—native fibre library option
- **Simple integration**—extensive certification and in-house interoperability testing
- **Easy to use**—intuitive GUI control panel, plus remote management and monitoring option
- **Intelligent form-factor**—highest density of tapes/rackspace
- **Investment protection**—mix and match ATL M-Series libraries to meet changing needs; re-deploy or grow system instead of trade-in
- **No surprises**—no hidden fees/charges on installation, long-term service or upgrades

Data Protection Meets Budget Protection

Quantum's ATL M-Series tape libraries are designed to protect more than data. With three distinct products to choose from, ATL M-Series customers specify the capacity, performance and interface options they require without overspending to get enterprise features. ATL M-Series libraries also provide budget-protecting flexibility, density and scalability, so initial storage investments stretch to meet future growth, technology or budgetary factors.

Quantum Doesn't Box You In

When organizations outgrow stand-alone drive and autoloader systems, they often feel compelled to over-buy to accommodate future growth. By choosing the exact features, capacity and performance they need, ATL M-Series customers enjoy the benefits of an enterprise-class backup/restore system without paying for empty drive and cartridge slots.

Better by Design

Floor space is valuable, especially in crowded data centers and computer rooms. All ATL M-Series libraries are rack-mountable, with industry leading GB/rack unit density. And their modular design allows users to intermix any of the three models—or add a driveless module when only capacity needs grow. Quantum's unique StackLink™ mechanism operates independent of individual modules, eliminating risk of data unavailability. Plus, with the ATL M-Series always-online design, upgrades, maintenance and even module additions can all take place without one minute of downtime.

"Backup That Stacks Up"



The Right Stuff in the Right Size
ATL M1500 at a glance

Max Drives: 2

Cartridge Slots: 25 (LTO Ultrium)/21 (DLTtape)

Native Capacity: 2.5TB (LTO Ultrium)/3.3TB (SDLT 320)

Native Performance: 108GB/Hr (LTO Ultrium)/115GB/Hr (SDLT 320)

Perfect for small to medium businesses, busy workgroups or large departments, the ATL M1500 squeezes enterprise features and functionality into a 4U rackspace—and equally diminutive price!



When It's Time to Step Up
ATL M1800 at a glance

Max Drives: 4

Cartridge Slots: 50 (LTO Ultrium)/42 (DLTtape)

Native Capacity: 5.0TB (LTO Ultrium)/6.7TB (SDLT 320)

Native Performance: 216GB/Hr (LTO Ultrium)/230GB/Hr (SDLT 320)

Doubling the ATL M1500's capacity and performance, the ATL M1800 packs a wealth of powerful storage at an acquisition price that can't be matched.



The ATL M-Series Flagship
ATL M2500 at a glance

Max Drives: 6

Cartridge Slots: 100 (LTO Ultrium)/84 (DLTtape)

Native Capacity: 10.0TB (LTO Ultrium)/13.4TB (SDLT 320)

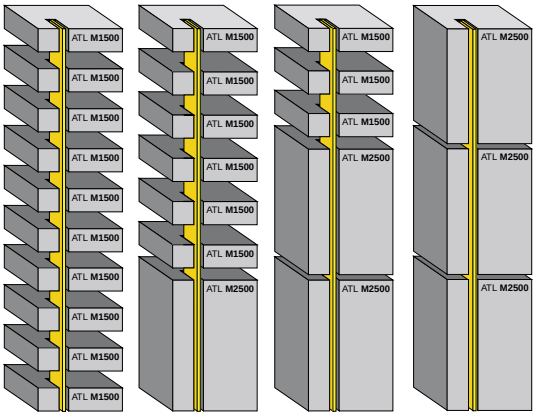
Native Performance: 324GB/Hr (LTO Ultrium)/346GB/Hr (SDLT 320)

With its massive capacity and outstanding performance, the ATL M2500 is more than a match for even the most grueling backup or recovery duties. It offers enterprise capacity and performance in mid-range form-factor and price.

ATL M-Series Specifications

	ATL M1500				ATL M1800				ATL M2500			
	Drives	MaxPerformance*	Cartridges	Capacity*	Drives	MaxPerformance*	Cartridges	Capacity*	Drives	MaxPerformance*	Cartridges	Capacity*
SDLT 320	1 to 2	115GB/hr	21	3.4TB	1 to 4	230GB/hr	42	6.8TB	1 to 6	345GB/hr	84	13.6TB
SDLT 220	1 to 2	79GB/hr	21	2.3TB	1 to 4	158GB/hr	42	4.6TB	1 to 6	237GB/hr	84	9.2TB
DLT 8000	1 to 2	43GB/hr	21	840GB	1 to 4	86GB/hr	42	1.7TB	1 to 6	129GB/hr	84	3.4TB
LTO 2	1 to 2	216GB/hr	25	5.0TB	1 to 4	432GB/hr	50	10TB	1 to 6	648GB/hr	100	20.0TB
LTO 1	1 to 2	108GB/hr	25	2.5TB	1 to 4	216GB/hr	50	5.0TB	1 to 6	324GB/hr	100	10.0TB
Magazines	2 (10-slot DLT or 12-slot LTO)				4 (10-slot DLT or 12-slot LTO)				8 (10-slot DLT or 12-slot LTO)			
Barcode Reader	Standard				Standard				Standard			
Dimensions	6.9"(H) x 19"(W) x 28.6"(D)				13.8"(H) x 19"(W) x 28.6"(D)				23.6"(H) x 19"(W) x 28.6"(D)			
Rack Space Required	4U				8U				13.5U			
Weight (fully populated)	75lbs. (34kg)				150lbs (68kg)				273lbs. (124kg)			

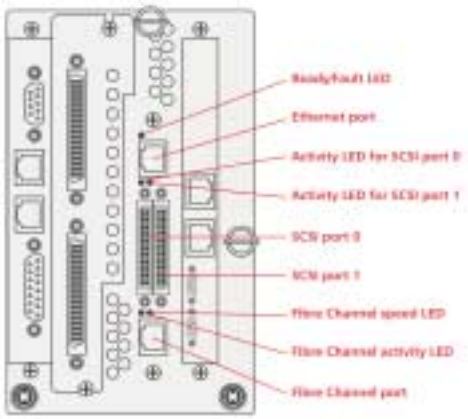
*all performance and capacity characteristics are native (no compression defined)



Backup That Stacks Up

Quantum's StackLink Pass-Through System

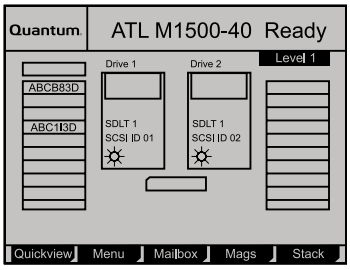
By utilizing the independent StackLink mechanism, users can add modules, inter-mix family modules and grow as backup and restore needs increase while the entire system remains online. Unlike other libraries in this market, an upgrade **does not** require an on-site tear down, a total library swap-out or a technical representative to come onsite to perform a rebuild.

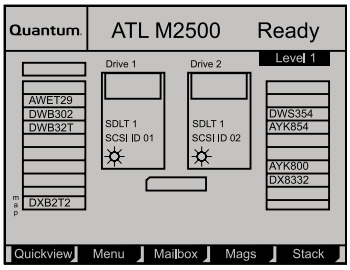


SAN-Ready

ATL M-Series Native Fibre Library

All ATL M-Series products are 2GB native fibre library ready and support arbitrated loop, point-to-point and switched environments. See the Quantum website (www.quantum.com) for tested and supported solutions. Call your local Quantum salesperson if your environment does not appear as a tested solution.





Other Enterprise Features

Powerful Options for Demanding Environments

All ATL M-Series libraries have options available like redundant power supplies, SNMP trap support, alert notification and redundant cooling. ATL Tape Libraries™ come rackmount-ready with options that allow for table top or free standing libraries. Configurations are available to fit all budgets and environments.

Quantum's ATL M-Series Graphical User Interfaces provide critical tape library status, configuration status and component information. Library management options like remote management, alert notification and SNMP traps are also available.

ATL M-SERIES SPECIFICATIONS

Robotics Reliability

MTBF	250,000 hours (on-hours)	
MSBF	1 million load/unload swaps	
MTTR	Less than 20 minutes	All field replacable parts front or rear accessible

Host Interfaces

DLT8000	SCSI-2 Fast/Wide LVD
SDLT220/320	Ultra2 SCSI LVD -- Optional Native Fibre Library
LTO Ultrium	Ultra2 SCSI LVD -- Optional Native Fibre Library

Management Requirements

MC300	Optional Prism Management -- ALERT notification, remote management, SNMP traps
Port	9-pin RS-232C, EIA/TIA female connector

Power Requirements

Input voltage	88-264 VAC
Frequency	47-63 HZ
ATL M1500/ATL M1800 specific	
Consumption	200W average
Heat Dissipation	682 BTU/hr
Power Cord (US included)	US NEMA 5-15P Male
ATL M2500 specific	
Consumption	320W average
Heat Dissipation	1092 BTU/hr
Power Cord (US included)	US NEMA 5-15P Male

Environmental

Operating	
Humidity	20% to 80% non-condensing
Temperature	50F to 104F (10C to 40C)
Altitude	Sea level to 8,000 ft. (0 to 2,438 meters)
Non-Operating (storage and shipping)	
Humidity	10% to 95% non-condensing
Temperature	-40F to 140F (-40C to 60C)
Altitude	Sea level to 36,000 ft. (0 to 11,000 meters)

Agency Approvals

Safety	UL1950 Listed, CSA950, EN 60950
EMI/RFI	FCC CFR 47-15J (level A), EN55022 (CISPR 22) level A, EN55024 (CISPR24), VCCI
Agency Markings	CE, VCCI, UL, FCC, CSA

Compatability

Software/Hardware	Go to www.quantum.com for the most up-to-date tested solutions

Scalability

Quantum's Stacklink is available in four sizes: 2U, 20U, 27U and 40U. See below for the intermix schedule.

2U StackLink	2 ATL M1500s
20U StackLink	5 ATL M1500s; 1 ATL M2500 and 2 ATL M1500s
28U StackLink	7 ATL M1500s; 2 ATL M2500s; 1 ATL M2500 and 4 ATL M1500s
40U StackLink	10 ATL M1500s; 3 ATL M2500s; 1 ATL M2500 and 7 ATL M1500s; 2 ATL M2500s and 3 ATL M1500s

Quantum

For more information, visit our website

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