

SCALAR 218M

1 OR 2 DLT DRIVES

18 CARTRIDGE POSITIONS

UP TO 1.44TB CAPACITY

UP TO 86GB/HOUR TRANSFER RATE



FEATURES AND BENEFITS

- Robotics rated for 1,000,000 cartridge changes means years of trouble-free service, even at high duty cycles
- Up to 1.44TB capacity—handles large data backup requirements
- Dual DLT drives provide increased backup speeds and built-in redundancy
- Front-access import/export slot offers secure cartridge exchange and simplified media management
- Integrated barcode reader provides instant media verification and inventory
- Split-bus SCSI connectivity allows unit to be configured for maximum performance
- Desktop or rackmount configuration—the Scalar 218M fits easily into standard data center environments
- One year On-site Service included for the highest levels of protection

With an 18-cartridge capacity and one or two DLT™ drives, the Scalar® 218M is a compact tape library designed to handle the high-performance backup tasks facing growing data centers.

Dual DLTtape™ drives provide double throughput, concurrent read/write operations, and continuous processing. The high-performance robotics offer quick, 35-second initialization and 10-second average media exchange time. The Scalar 218M's 1,000,000 cartridge change rating means high reliability even

in the heaviest use. The integrated barcode reader and media import/export slot provide advanced media management capability. The Scalar 218M is

available in both desktop and rackmount versions.



The Scalar 218M puts 1.44TB of storage on a desktop or in only 6U of 19-inch rack space.



LIBRARY CONFIGURATIONS

	Scalar 218M
Tape Capacity:	18 cartridges maximum capacity
Barcode Reader:	Included in all configurations
Import/Export Slot:	Included; takes one cartridge slot if configured
Drives:	1 or 2 Quantum DLT4000, DLT7000 or DLT8000
Slot Configuration:	18 17 plus I/E slot 16 plus I/E slot for use with some software packages 16 for use with some software packages

DRIVE AND PERFORMANCE

Drive Type:	DLT4000	DLT7000	DLT8000
Library Capacity			
Native:	360GB	630GB	720GB
with 2:1 Compression:	720GB	1.26TB	1.44TB
Transfer Rate per drive			
Native:	90MB/min	300MB/min	360MB/min
with 2:1 Compression:	180MB/min	600MB/min	720MB/min
SCSI Interface:	SCSI-2, Fast HVD	SCSI-2, Fast/Wide HVD	SCSI-2, Fast/Wide HVD
File Access Time (Avg):	68 seconds	60 seconds	60 seconds
Data Compression:	On-board DCLZ with variable block size		
Recording Format:	Multiple-Track, Linear Serpentine		
Data Buffer:	2MB	8MB	8MB
	Cache buffer adjusts to host rates		
Media:	DLTtape IV	DLTtape IV	DLTtape IV
Tape Length:	1800 feet	1800 feet	1800 feet
Recording Density:	82,000 bits/in	86,000 bits/in	98,000 bits/in
Tracks Per Tape:	128	208	208

OPERATION

Cartridge Change:	10 seconds maximum
Indicators:	Keypad with LCD menu display
Drive:	Write protected, tape in use, use cleaning tape, and tape density LEDs; density select, tape unload controls
Interface:	High density, 68-pin

RELIABILITY

Hard Error Rate:	Less than 1 in 10 ¹⁷ bits read
Tape Shelf Life:	30 years minimum (at 20°C, 40% RH)
Maintenance:	Periodic drive head cleaning with DLT cleaning cartridge
MSBF:	Greater than 1,000,000 cartridge changes ²
MTBF:	Greater than 80,000 power-on hours
MTTR:	Less than 30 minutes
Error Correction Code:	Reed Solomon ECC; 64-bit CRC on each 4KB of data; 16-bit CRC on each record; internal parity checking on cache buffer
Field Replaceable:	Drives, power supplies, picker assembly, SCSI cables, fan, barcode reader, control electronics module
Diagnostics:	Built-In-Test (BIT), store/recall last 100 events, "fault isolation" assistance

PHYSICAL

Dimensions:	19.0"W x 24.5"D x 10.5"H (48.2cm x 62.2cm x 26.7cm)
Rack Height:	6u (10.5"/26.7cm)
Weight:	70 lbs (31.7kg) with 2 drives

ENVIRONMENTAL

Electrical:	100-240 VAC, 47-63 Hz, 2.5-1.25A
Altitude:	30,000 ft (9,144m)
Temperature:	10 to 40°C operating
Humidity:	20 to 80% non-condensing operating
Noise Level:	<45 dBA
Vibration:	0.3g (5-500-5 Hz) operating Tested per ISTA for storage/shipping
Shock:	3g operating Impact tested per ISTA for storage/shipping
BTU/Hour:	600

COMPLIANCE AND CERTIFICATION

Safety:	UL-1950/ CUL C22.2 No. 950, TUV EN 60950
Emissions:	FCC #47, Part 15, Class B, EN 55022, VCCI, BCIQ
Immunity:	EN 50082-1
International:	CE

SOFTWARE AND PLATFORMS

Consult the most recent ADIC Software Compatibility Guide for a complete list of software and platforms compatible with the Scalar Series.

¹ With 2 drives and 18 tapes with 2:1 compression
² With scheduled maintenance



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