



SCALAR 218FC

2 DLT7000 or DLT8000 DRIVES

18 CARTRIDGE POSITIONS

UP TO 1.44TB CAPACITY

UP TO 86GB/HOUR TRANSFER RATE

FIBREREADY™ DESIGN

FEATURES AND BENEFITS

- Native Fibre Channel interface for Storage Area Networks improves connectivity and performance, and allows sharing of storage resources
- 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
- Desktop or rackmount configuration—the Scalar 218FC fits easily into standard data center environments
- One Year On-site Service included for highest levels of protection

ADIC's Scalar® 218Fc DLT™ library is the industry's first tape library with a native Fibre Channel interface. It combines the speed and reliability of DLT7000 and DLT8000 drives with the high performance and connectivity of Fibre Channel to provide full support for Storage Area Networks (SANs). With gigabit link speeds over distances up to 500 meters, the Scalar 218Fc enables backup strategies not attainable with standard SCSI interface libraries. Available in both desktop and rackmount versions, this high-performance library offers 18-cartridge capacity, 35-second initialization, and 10-second average media exchange times. An integrated barcode reader and media import/export slot offer advanced media management capability.



The Scalar 218FC attaches directly to Fibre Channel Storage Area Networks.

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LIBRARY CONFIGURATIONS

	Scalar 218fc
Tape Capacity:	18 cartridges maximum capacity
Barcode Reader:	Included in all configurations
Import/Export Slot:	Included; takes one cartridge slot if configured
Drives:	2, Quantum 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

DRIVES AND PERFORMANCE

Drive Type:	DLT7000	DLT8000
Library Capacity:¹		
Native:	630GB	720GB
With 2:1 compression:	1.26TB	1.44TB
Library Transfer Rate		
Native: ²	600MB/min	720MB/min
With 2:1 compression: ²	1.2GB/min	1.44GB/min
File Access Time (Avg):	60 seconds	60 seconds
Data Compression:	On-board DCLZ with variable block size	
Recording Format:	Multiple-Track, Linear Serpentine	
Data Buffer:	8MB Cache buffer adjusts to host rates	
Media:	DLTtape IV	DLTtape IV
Tape Length:	1800 feet	1800 feet
Recording Density:	86,000 bits/in	98,000 bits/in
Tracks Per Tape:	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:	Multi-mode optical, 1.0625Gb/sec
Type (Distance):	Multi-mode 50µ fiber optic cable (<500m) Multi-mode 62.5µ fiber optic cable (<200m)
Connector:	Dual SC

FC STATUS GUIDE

LEDS:	Power, self-test failure, Fibre Channel activity, SCSI activity, Ethernet activity
Remote Diagnostic:	Port: 10 baseT Ethernet
Serial Diagnostic:	Port: RS-232, cable provided

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 ³
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

Standards:	ANSI FC-PH 4.3, ANSI FC-AL 4.5, Fibre Channel Class 3 Device
Safety:	UL-1950/ CUL C22.2 No. 950, TUV EN 60950
Emissions:	FCC #47, Part 15, Class B, EN 55022, VCCI
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 18 tapes with 2:1 compression
² With 2 drives
³ With scheduled maintenance



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