



SCALAR 100

Easy Expandability and Enterprise-Class Performance

Now with iSCSI Connectivity

LTO AND SDLT DRIVE SUPPORT

1 TO 6 DRIVES

15 TO 72 CARTRIDGES

UP TO 57.6TB CAPACITY

iSCSI OR FC CONNECTIVITY OPTIONS

The ADIC® Scalar® 100 is a midrange library that offers the industry's leading combination of storage density, trouble-free scalability, and advanced storage networking support. The Scalar 100 supports from 15 to 72 tapes and from one to six drives, depending on technology choice and configuration. Supported drive technologies include LTO and SDLT. Adding capacity is easy. Upgrades take less than 10 minutes—no changing your rack system or adding elevators or pass-through ports.

The Scalar 100's storage networking options enable iSCSI or Fibre Channel (FC) connectivity for today's backup consolidation needs. A FC option provides intelligent features to improve SAN backup performance and reliability. An iSCSI option provides an easy-to-implement connectivity choice that lets servers share a single library over standard Ethernet.



The compact Scalar 100 scales to data center levels of performance and capacity.

FEATURES AND BENEFITS

- ▶ Industry-leading value—enterprise-class data protection at entry-level pricing
- ▶ Industry-leading density with 57.6TB in only 14 rack units
- ▶ Scales from 1 to 6 drives and 15 to 72 cartridges to meet growing storage needs
- ▶ Choice of easy-to-implement iSCSI or full FC connectivity upgrade option via the SNC or Native Fibre drives
- ▶ Space-efficient design maximizes limited server room real estate
- ▶ Seamless growth path—scalable design allows cost-effective and easy expansion without using pass-through ports
- ▶ Built-in partitioning—can operate as three separate libraries for even higher value and convenience
- ▶ Qualified storage network interoperability means seamless integration into new or existing SANs
- ▶ High availability features such as built-in diagnostics, redundant power supplies, and a 1,000,000 cartridge-change rating provide industry-leading reliability
- ▶ One-year on-site service included for highest levels of protection



With the Scalar 100, you can start with one storage column and add the second, third, and fourth storage columns within minutes for maximum flexibility and investment protection.

STORAGE CAPACITY PER COLUMN*		
Drive Type	Cartridges	Capacity (TB)
LTO-3	18	14.4
LTO-2	18	7.2
LTO-1	18	3.6
SDLT 600	15	9.0
SDLT 320	15	4.8

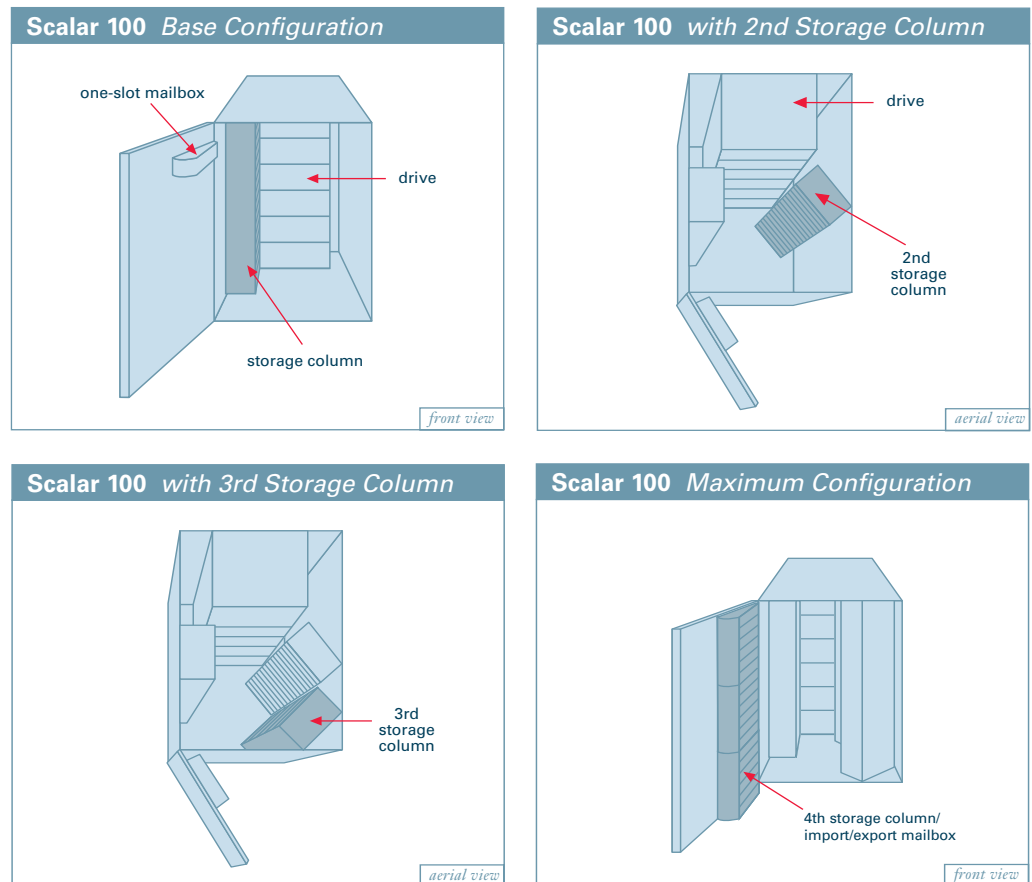
*Capacity assumes 2:1 compression for LTO and SDLT

DATA CENTER PERFORMANCE IN A SCALABLE MID-RANGE LIBRARY

The Scalar 100 gives you the industry's most trouble-free scalability. It lets you start small and grow easily, without tearing down your rack system and adding pass-through ports or external elevators. Depending on model and technology choice, the Scalar 100 provides as few as 15 cartridge positions and as many as 72, and it holds from 1 to 6 drives, all in a rack-optimized chassis that takes up only 14 rack units (less than 25 inches).

Users increase performance and capacity simply by sliding in additional drives and tape positions—upgrades take less than 10 minutes and never change the physical size of the library. After upgrade, the Scalar 100 self-discovers any changes and automatically reconfigures all system settings.

Everyone understands that it takes more than extra capacity to handle higher data volumes efficiently. The Scalar 100 also gives you enterprise-class features, including SAN connectivity and management services, redundant power, remote management, and a bulk-load mailbox that can handle up to 9.6TB¹ at a time.

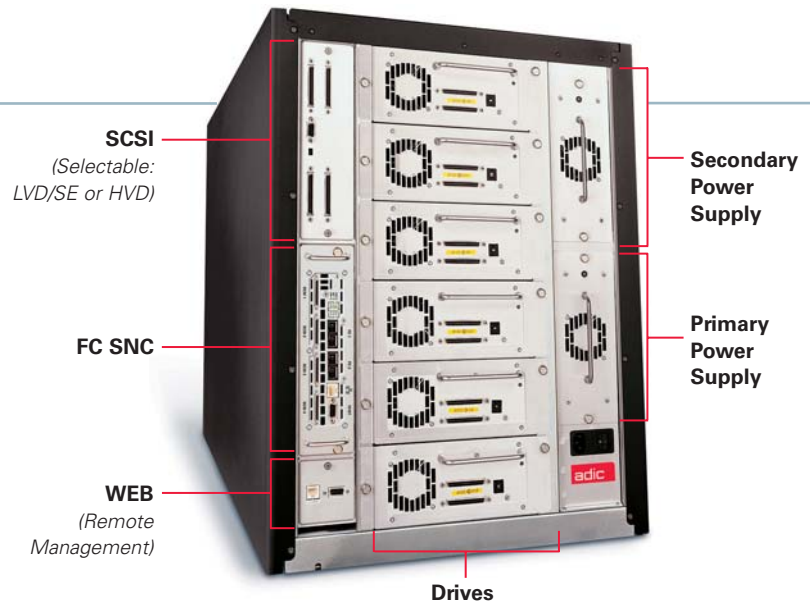


¹ Using LTO-3; assumes 2:1 compression (capacity and cartridge count vary depending on technology).

SCALAR 100

EASY CONFIGURATION

The integrated modular approach to the Scalar 100 makes it easy to add and change configurations. The integrated Storage Networking Controller (SNC[®]), drives, primary and secondary power supplies, and the remote management unit are all supplied as simple slide-in modules that users can add or change themselves in minutes. The result is better performance, more uptime, and a lower total cost of ownership.

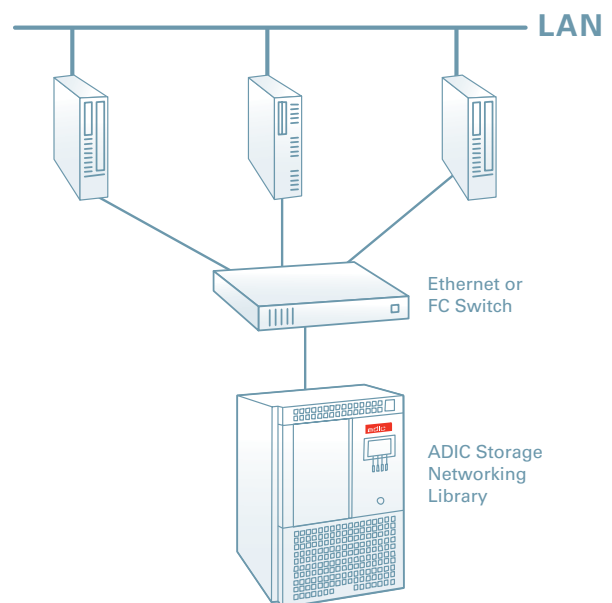


STORAGE NETWORKING OPTIONS

ADIC storage networking libraries deliver backup consolidation for improved performance, enhanced reliability, and better storage resource utilization. The Native Fibre option delivers high performance connectivity at a lower cost of acquisition. With the Scalar 100, users have a choice between Fibre Channel and iSCSI storage networking connectivity.

The Scalar 100's FC connectivity option is ideal for high performance data protection environments. Its intelligent features provide drive performance optimization, error recovery, and data path conditioning to proactively verify that paths are ready to carry data.

The Scalar 100 iSCSI option is the easy-to-implement solution that enhances data protection for workgroups and smaller enterprises by letting several servers share a single library over Ethernet. Simple to install and easy to maintain, the Scalar 100 iSCSI option delivers centralized control, streamlined configuration, and low total cost of ownership.



The Scalar 100 offers a choice of iSCSI or FC storage networking options for better backup consolidation.

LIBRARY CONFIGURATIONS

	LTO					SDLT			
	Drives	Cartridges	Capacity (TB) ¹			Drives	Cartridges	Capacity (TB) ¹	
			LTO-3	LTO-2	LTO-1			SDLT 600	SDLT 320
Base Configuration	1 to 6	Up to 18	14.4	7.2	3.6	1 to 6	Up to 15	9.0	4.8
w/ 2nd Storage Col.	1 to 6	Up to 36	28.8	14.4	7.2	1 to 6	Up to 30	18.0	9.6
w/ 3rd Storage Col.	1 to 6	Up to 54	43.2	21.6	10.8	1 to 6	Up to 45	27.0	14.4
Maximum Config.	1 to 6	Up to 72	57.6	28.8	14.4	1 to 6	Up to 60	36.0	19.2
Mailbox	1 or 12 slots					1 or 10 slots			
Magazines	Up to 12 6-slot magazines					Up to 12 5-slot magazines			
Barcode Reader	Standard					Standard			

RELIABILITY

Library MTBF:	Greater than 250,000 power-on hours
Library MSBF:	Greater than 1,000,000
Library MTTR:	Less than 30 minutes
Power:	Redundant power supplies available
Diagnostics:	Auto-calibration, auto-inventory, built-in test (BIT), SNMP alerts via RMU

OPERATION

Cartridge Swaps:	10 seconds
Inventory Time:	Less than 60 seconds
Library Management Interface:	Integrated web server (Remote Management Unit)
Library Interface:	Switch-selectable for HVD or LVD SCSI or Fibre Channel
Drive Interface:	LTO-3, LTO-2, LTO-1, SDLT 600, SDLT 320: LVD SCSI
SCSI Connections:	68-pin micro-D

ENVIRONMENTAL

Power Consumption Typical²	
Library:	93W, 317 BTU/hr
Drive Sled (max):	LTO-3, LTO-2: 31W, 106 BTU/hr; LTO-1: 40W, 136 BTU/hr; SDLT 600: 34W, 116BTU/hr; SDLT 320: 29W, 99BTU/hr
SNC 6101 (FC):	30W, 102 BTU/hr
SNC 4500 (iSCSI):	15W, 51 BTU/hr
Electrical:	115/230 VAC
Temperature	50 to 104° F (10 to 40° C) operating
Humidity:	20 to 80% non-condensing operating

PHYSICAL

Dimensions, Standalone:	18.9"W x 28.8"D x 25"H (48.0cm x 73.2cm x 63.5cm)
Dimensions, Rack-mounted:	17.4"W x 28.8"D x 24.5"H (44.2cm x 73.2cm x 62.2cm)
Rack Height:	14 rack units
SNC 4500, Rack-mounted:	16.9"W x 10"D x 1.72"H (42.9cm x 25.4cm x 4.3cm)

¹ Assumes 2:1 compression for LTO and SDLT.

² Power consumption is obtained using RMS values for voltage and current. Drive sled power consumption is taken while writing to a tape.

ABOUT ADIC

Advanced Digital Information Corporation (ADIC®) is a leading provider of Intelligent Storage™ solutions to the open systems marketplace. ADIC is the world's largest supplier of automated tape systems using the drive technologies most often employed for backing up open system, client-server networks. The company's data management software, storage networking appliances, and disk-to-tape data protection solutions provide IT managers innovative tools for storing, managing and protecting their most valuable digital assets in a variety of disk and tape environments. ADIC storage products are available through a worldwide sales force and a global network of resellers, OEMs and partnerships, including Apple, Cray, Dell, EMC, Fujitsu-Siemens, HP, IBM and Sun.

* Market share from Gartner Dataquest, Tape Automation Systems Market Shares, 2003, F.Yale, April 2004.

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COMPLIANCE AND CERTIFICATION

Safety:	C-TUV-US, TUV/GS, IEC 60950 with worldwide country deviations
Emissions:	FCC, ICES, VCCI, BSMI, CISPR 22 and EN 55022 Class A, EN 61000-3-2, EN 61000-3-3
Immunity:	CISPR, EN 55024
International:	CE

STORAGE NETWORKING SUPPORT

Platform/Connectivity:	SNC 6101 (2 FC type LC x 4 LVD SCSI) SNC 4500 (2 GbE x 2 LVD SCSI) LTO-3, LTO-2: Native Fibre
FC Features:	End-to-end data path readiness checks, error recovery, and SAN security for improved reliability. Drive performance optimization and serverless backup for higher performance.
iSCSI Features:	Redundant Ethernet connections, error recovery, web-based management, and a step-by-step deployment path to backup consolidation.

Consult the most recent ADIC Software Compatibility Guide at www.adic.com for a complete list of software and platforms compatible with the Scalar 100.

DRIVES AND PERFORMANCE¹

Drive Type	Cartridge Capacity Native / Compressed (GB)	Drive Throughput Native / Compressed (MB/sec)	Data Buffer (MB)	File Access Time (sec)
LTO-3	400 / 800	80 / 160	64	49
LTO-2	200 / 400	35 / 70	64	49
LTO-1	100 / 200	15 / 30	32	54
SDLT 600	300 / 600	36 / 72	64	70
SDLT 320	160 / 320	16 / 32	64	70

Please see www.adic.com/drives for more drive specifications.

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Intelligent Storage is Having a Connectivity Choice

ADIC storage networking libraries offer a choice of FC or iSCSI connectivity options for easier backup consolidation.

