



# ADIC Enterprise Storage Solutions

AUTOMATED TAPE LIBRARIES | DATA MANAGEMENT SOFTWARE

# WHY IS ADIC THE RIGHT STORAGE PARTNER?

# ADIC

## FROM DESKTOP TO DATA CENTER

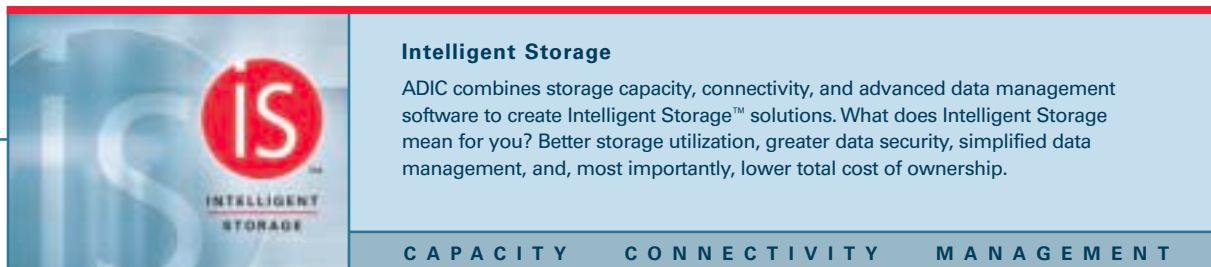
Advanced Digital Information Corporation (ADIC®) offers the industry's broadest portfolio of storage systems and software. Our solutions can help you protect, manage, and access all of the data in your enterprise. No matter how much there is or where it resides.

## AN OPEN SYSTEMS, CUSTOMER-FIRST APPROACH

From the outset, ADIC has focused on solving customer problems with the best available technology. Our commitment to open systems and standards-based interoperability ensures that you get choice, compatibility—and the best possible solution for your specific storage challenge.

## STORAGE LEADERSHIP

ADIC is the world's largest supplier of automated tape libraries incorporating the drive technologies most often used in open systems, client-server networks.\* And our data management software is used in more than 1,000 organizations worldwide to manage some of the industry's largest and most challenging storage environments.



The image shows a banner for Intelligent Storage. On the left, there is a large, stylized 'IS' logo in a light blue color. To its right is a red circular logo with the letters 'IS' in white. Below the red logo, the words 'INTELLIGENT STORAGE' are written in a smaller, dark font. The background of the banner is a light blue gradient. Below the logo area, the words 'CAPACITY', 'CONNECTIVITY', and 'MANAGEMENT' are spaced out horizontally in a dark blue font.

### Intelligent Storage

ADIC combines storage capacity, connectivity, and advanced data management software to create Intelligent Storage™ solutions. What does Intelligent Storage mean for you? Better storage utilization, greater data security, simplified data management, and, most importantly, lower total cost of ownership.

C A P A C I T Y   C O N N E C T I V I T Y   M A N A G E M E N T

\*IDC's Worldwide Tape Automation Forecast and Analysis, 2001–2006; based on shipment numbers for all tape automation products that use LTO, DLT, SuperDLT, Mammoth, 8mm, or AIT tape drives. Gartner Dataquest's 2002 Tape Cartridge Automation Market Share and Forecast; based on shipment numbers for all tape automation products that use LTO, DLT, or SuperDLT tape drives.

# ENTERPRISE STORAGE SOLUTIONS



## CONSOLIDATED SAN BACKUP

Improve the performance and reliability of SAN backup with ADIC's Scalar® storage networking libraries. They're an unmatched solution for scalable, SAN-based data protection and consolidated, high-capacity storage.



## SHARED DATA ACCESS IN A SAN

Streamline workflow and eliminate file duplication with file-sharing software that lets multiple systems and users simultaneously access the same file.



## SMALL OR REMOTE OFFICE BACKUP

Save time and protect against data loss by automating backup with ADIC's compact libraries. They're ideal for branch offices and enterprise-wide standardization efforts.

## THE ENTERPRISE



## CONSOLIDATED BACKUP OF NAS DEVICES

Better leverage your management time and network resources by consolidating backup for multiple NAS appliances to a single ADIC library.



## DEPARTMENTAL DATA PROTECTION



Meet departmental backup and recovery needs with our midrange libraries that combine workgroup capacity with enterprise-class performance.

## AUTOMATED SAN DATA MANAGEMENT



Use ADIC's StorNext® Management Suite to simplify data administration, improve storage utilization, and enhance data security.

## AUTOMATED TAPE LIBRARIES

# FastStor

Eliminate daily tape loading and increase backup reliability with the FastStor® family of entry-level automated tape storage products. Simple to set up and easy to operate, ADIC's FastStor autoloaders are the ideal solution for unattended backup in remote offices or small departments. And they're backed by three years of ADIC's next-day FastExchange™ service plan.

[ Up to 1.4TB\* | Up to 7 cartridges | LTO/DLT ]



**FASTSTOR**



**FASTSTOR 2**

[ Up to 3.2TB | Up to 8 cartridges | LTO/SDLT ]

FastStor 2 provides a week or more of unattended backup for a risk-free, affordable alternative to standalone tape drives. The high-performance autoloader features the latest drive technology and eight cartridge slots in a rack-optimized chassis. High in capacity but small in size, the compact system fits in just two standard rack units. FastStor 2 features an easy-to-use interface for quick setup and trouble-free operation.



### Intelligent Storage Is Data Integrity

ADIC's storage networking libraries are the first to integrate firewall-based SAN security. Native library security ensures better data protection in a growing and complex network environment. And it gives you more control over—and confidence in—the integrity of your data.

\*All capacities noted are compressed. Assumes 2:1 compression for LTO and SDLT/DLT and 2.6:1 compression for AIT.

# Scalar

ADIC's Scalar libraries provide high-performance tape storage for a wide range of environments, supporting from 15 to more than 15,000 tapes and from one to hundreds of drives. Scalar libraries pioneered barrier-free growth and capacity-on-demand scalability. They also feature advanced, integrated storage networking support that enhances the performance and reliability of SAN backup. Scalar storage networking libraries are certified for operation in all leading SAN environments and by all leading backup software providers.

## SCALAR 24

[ Up to 10TB | Up to 24 cartridges | LTO/SDLT ]

The Scalar 24 is an outstanding value for IT departments that have outgrown autoloaders. A compact, two-drive library, the Scalar 24 combines enterprise-class features with entry-level affordability and ease of use. The Scalar 24 supports high-performance drive technologies, user-friendly "no-manual" operation, and upgrade options for advanced management and intelligent SAN support. For long-term investment protection, ADIC offers Scalar 24 customers a guaranteed capacity upgrade path to the award-winning Scalar 100.



## SCALAR 100

[ Up to 29TB | Up to 96 cartridges | LTO/SDLT/AIT ]

A midrange, rack-optimized library, the Scalar 100 offers a powerful combination of trouble-free scalability, industry-leading density, and integrated storage networking support. The Scalar 100 lets you keep pace with growing data needs within an integrated, single-unit solution. Additional storage columns and drives slide in easily. The system's effortless expandability means you can add more capacity in minutes—without the configuration and setup hassles of stackable systems. And with its built-in storage networking support, you can readily integrate the Scalar 100 into an existing or future SAN.

# Scalar

## SCALAR 1000 [ Up to 307TB\* | Up to 1,182 cartridges | LTO/SDLT/AIT ]

Highly scalable and featuring integrated storage networking support, the Scalar 1000 is ideally suited to high-growth SAN environments, including enterprise data centers. The Scalar 1000's unique, barrier-free scalability means the system grows easily with your data while maintaining superior performance and reliability. Built-in storage networking support, which includes direct fabric connectivity and integrated management services, delivers secure, high-performance SAN backup. The system supports mixed-media configurations for maximum flexibility and investment protection.



## SCALAR i2000 [ Up to 670TB\* | Up to 2,232 cartridges | LTO/SDLT/AIT ]

The Scalar i2000 is the next-generation data center library. Built around ADIC's iPlatform™ architecture, the Scalar i2000 integrates advanced backup functions into the library to simplify backup management, reduce the need for external applications and equipment, and save users time and money over the life of their backup system. Designed for storage network environments, the Scalar i2000 increases the performance and reliability of SAN backup. Its advanced scalability offers capacity-on-demand growth from 100 to over 2,200 tapes within a barrier-free expansion architecture. An innovative chassis design, which matches the dimensions of standard data center racks, provides industry-leading density and makes space planning easy. To meet the availability requirements of 24-hour backup operations, the Scalar i2000 offers the industry's most advanced reliability, availability, and serviceability (RAS) features.



*The Scalar i2000 combines barrier-free expansion with capacity-on-demand scalability for long-term, high-performance data center backup.*

# SCALAR 10K

[ Up to 4,130TB | Up to 15,885 cartridges | LTO/SDLT/AIT ]

The Scalar 10K is the first SAN-enabled library for consolidated enterprise backup. Its built-in storage networking connectivity is certified for seamless integration into all popular SAN environments, while utilities such as data path readiness checks add new levels of performance and reliability. The Scalar 10K scales with pay-as-you-grow simplicity. Capacity-on-demand systems ship with extra capacity that you can activate in 100-slot increments, growing to over 1,500 terabytes. The system is also available in custom configurations for higher slot counts or mixed-media support. The Scalar 10K features a high-availability architecture to meet the reliability demands of consolidated storage. A configuration with redundant robotics ensures the highest levels of performance and availability.



## Intelligent Storage Is **Economical Scalability**

An ADIC innovation, our capacity-on-demand technology lets you pay as you grow. Need more capacity? Simply activate it with a software key. It's a convenient, cost-effective solution for keeping costs in check as your storage needs grow.

\*All capacities noted are compressed. Assumes 2:1 compression for LTO and SDLT/DLT and 2.6:1 compression for AIT.

# AUTOMATED TAPE LIBRARIES

## AML

ADIC's AML™ libraries offer the unique ability to automate over 20 different recording technologies, including tape and optical formats—in the same library, at the same time. They also feature barrier-free scalability and a multi-host architecture that makes it easy to share the library among different applications and operating systems. Extremely high tape transfer rates and industry-leading capacity make the AML series ideal for mid-sized to very large data centers.



### AML/2

[ Over 30,640TB\* | Up to 76,608 cartridges ]

The AML/2 is the world's largest library, with capacity for nearly 77,000 pieces of media. The system's QuadraTower architecture provides better than 6,500GB-per-square-foot density. The AML/2 maximizes data availability with two fully redundant robotic systems.

### AML/J

[ Up to 3,024TB | Up to 7,560 cartridges ]

The AML/J, like the AML/2, provides the industry's widest range of choice in storage technologies, including simultaneous use of different media. Its high-capacity, mixed-media operation helps enterprises keep pace with data growth and technology changes.



#### Intelligent Storage Is High Availability

Only ADIC's storage networking libraries feature data path conditioning, a technology that works behind the scenes to verify the integrity of paths carrying data to the library. Data transmissions through the SAN are faster and more reliable, improving overall system availability.

\*All capacities noted are compressed. Assumes 2:1 compression for LTO and SDLT/DLT and 2.6:1 compression for AIT.



## STORNEXT MANAGEMENT SUITE

Designed for data-intensive SAN environments, StorNext Management Suite (SNMS) reduces the time and cost of managing SAN data. SNMS integrates two powerful components, StorNext File System and StorNext Storage Manager, to provide Total Data Life Management.™ Throughout its lifetime, data is always accessible and protected, based on levels of service you define. The result is a scalable, high-performance data management solution that optimizes the use of SAN storage while ensuring the long-term safety and recoverability of your data. SNMS supports Solaris, IRIX, Linux, and Windows platforms.

### STORNEXT FILE SYSTEM

StorNext File System (StorNext FS) lets you consolidate SAN data by allowing heterogeneous clients to access the same file from a centralized disk resource. Using StorNext FS, you gain storage efficiencies by eliminating duplicate files and complex storage provisioning. And you improve network performance and workflow productivity, because shared files no longer move over the LAN.

### STORNEXT STORAGE MANAGER

StorNext Storage Manager (StorNext SM) works with StorNext FS and user-defined policies to automate where data is stored (on disk or tape) over time. Features such as file replication, versioning, and vaulting are available for added data protection. With automated data placement and protection, you free up staff time, optimize storage utilization, and increase data integrity and safety.



## AMASS FOR UNIX

AMASS® for UNIX is a cost-effective solution for organizations that have more data than their disk capacity—or budgets—support. AMASS transforms tape libraries and jukeboxes—typically considered “off-line” storage—into truly online direct-access mass storage. Users or applications save and access files on the library just as they would files on disk. AMASS is designed for direct-attached and network-attached storage environments and effortlessly archives terabytes, even petabytes, of data.



## ADIC GLOBAL SERVICES

ADIC Global Services (AGS) fields a worldwide team of skilled professionals linked by a strong support infrastructure and common goals. Through our product support programs, user education, and professional services, we strive to meet your ongoing technical and business needs quickly, expertly, and cost-effectively.

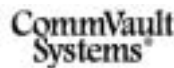
AGS's expertise in open-systems data protection is unique among storage vendors. We know what it takes to configure and support enterprise backup and recovery solutions, particularly in heterogeneous SANs. And we have proven our capabilities in some of the world's most demanding, high-availability IT environments.

ADIC offers tiered hardware support plans—Bronze, Silver, Gold, and Platinum—to meet a range of budget and availability requirements. We are committed to cooperative, rapid-response multi-vendor support, giving you worry-free data protection for virtually any server platform, operating system, disk provider, or backup software you use.



### Intelligent Storage Is **Interoperability**

ADIC partners with other storage leaders to ensure that our products fit seamlessly into your storage environment as part of an integrated solution. Through aggressive certification efforts, we maximize performance and reliability—and minimize implementation headaches.



# LIBRARY SPECIFICATIONS

ADIC PRODUCT	DRIVE TYPE	DRIVES	CARTRIDGE SLOTS	CAPACITY (TB) <sup>1</sup>
<b>FastStor</b>	LTO-1	1	7	1.4
	DLT 8000	1	7	0.56
<b>FastStor 2</b>	LTO-2	1	8	3.2
	LTO-1	1	8	1.6
	SDLT 320	1	8	2.6
<b>Scalar 24</b>	LTO-2	1 to 2	24	9.6
	LTO-1	1 to 2	24	4.8
	SDLT 320	1 to 2	21	6.8
<b>Scalar 100</b>	LTO-2	1 to 6	18 to 72	7.2 to 28.8
	LTO-1	1 to 6	18 to 72	3.6 to 14.4
	SDLT 320	1 to 6	15 to 60	4.8 to 19.2
	SDLT 220	1 to 6	15 to 60	3.3 to 13.2
	AIT-3	2 to 8	24 to 96	6.2 to 25.0
	AIT-2	2 to 8	24 to 96	3.1 to 12.5
<b>Scalar 1000</b>	LTO-2	1 to 48	140 to 938	56.0 to 375.2
	LTO-1	1 to 48	140 to 938	28.0 to 187.6
	SDLT 320	1 to 48	118 to 788	37.8 to 252.2
	SDLT 220	1 to 48	118 to 788	26.0 to 173.4
	AIT-3	2 to 48	237 to 1,182	61.6 to 307.3
	AIT-2	2 to 48	237 to 1,182	30.8 to 153.7
<b>Scalar i2000<sup>2</sup></b> <i>Capacity-on-Demand: Scales in 100-Slot Increments</i>	LTO-2	1 to 48	100 to 1,674	40.0 to 669.6
	LTO-1	1 to 48	100 to 1,674	20.0 to 334.8
	SDLT 320	1 to 48	100 to 1,395	32.0 to 446.4
	AIT-3	1 to 48	100 to 2,232	26.0 to 580.3
<b>Scalar 10K</b> <i>Capacity-on-Demand: Scales in 100-Slot Increments</i>	LTO-2	1 to 84	700 to 3,945	280.0 to 1,578.0
	LTO-1	1 to 84	700 to 3,945	140.0 to 789.0
	SDLT 320	1 to 84	700 to 3,302	224.0 to 1,056.6
	SDLT 220	1 to 84	700 to 3,302	154.0 to 726.4
	AIT-3	1 to 96	700 to 5,403	182.0 to 1,404.8
	AIT-2	1 to 96	700 to 5,403	91.0 to 702.4
	3590 H1A	1 to 24	700 to 3,402	126.0 to 612.4
<b>Scalar 10K</b> <i>Customer-Specific Configuration</i>	LTO-2	1 to 324	Up to 9,582	Up to 3,832.8
	LTO-1	1 to 324	Up to 9,582	Up to 1,916.4
	SDLT 320	1 to 324	Up to 8,014	Up to 2,564.5
	SDLT 220	1 to 324	Up to 8,014	Up to 1,763.0
	AIT-3	1 to 648	Up to 15,885	Up to 4,130.1
	AIT-2	1 to 648	Up to 15,885	Up to 2,065.2
	3590 H1A	1 to 104	Up to 7,738	Up to 1,392.8
<b>AML/J</b>	Multiple <sup>3</sup>	1 to 226	Up to 7,560	Up to 3,024
<b>AML/2</b>	Multiple <sup>3</sup>	1 to 400	Up to 76,608	Over 30,640

<sup>1</sup> Assumes 2:1 compression for LTO and SDLT/DLT, 2.6:1 compression for AIT, and 3:1 compression for 3590 H1A.  
<sup>2</sup> The Scalar i2000 is available in several starting configurations, including: 100 slots and 2 drives; 200 slots and 2 drives; 400 slots and 4 drives; and 700 slots and 6 drives.  
<sup>3</sup> Includes 3590, SLDT/DLT, 3480/90, AIT, LTO, 8mm, optical disk, CD-ROM, 4mm, VHS, Betacam, DST, DTF, 9840, and M8100.

# DRIVE SPECIFICATIONS

DRIVE TYPE	CARTRIDGE CAPACITY (GB) <sup>1</sup>		DRIVE THROUGHPUT (MB/SEC) <sup>1</sup>	
	Native	Compressed	Native	Compressed
LTO-2	200	400	35	70
LTO-1	100	200	15	30
SDLT 320	160	320	16	32
SDLT 220	110	220	11	22
DLT 8000	40	80	6	12
AIT-3	100	260	12	31
AIT-2	50	130	6	15.6
3590 H1A	60	180	14	42



**Magstar 3590**

The Scalar 100, Scalar 1000, and Scalar 10K also support DLT 8000 drives. Please see [www.adic.com](http://www.adic.com) for the latest library specifications.

## HOW TO BUY ADIC PRODUCTS

ADIC storage products are available through an international network of value-added resellers and distributors who work in partnership with our sales team. See our Web site, [www.adic.com](http://www.adic.com), for more information.

### ADIC HEADQUARTERS

11431 Willows Road NE  
PO Box 97057  
Redmond, WA 98073-9757  
USA

Toll-free: **800.336.1233**  
Phone: **425.881.8004**  
Fax: **425.881.2296**

### ADIC EMEA

ZAC des Basses Auges  
1, rue Alfred de Vigny  
78112 Fourqueux  
France

Phone: **+33 (0)1 30.87.53.00**  
Fax: **+33 (0)1 30.87.53.01**

### ADIC ASIA PACIFIC

18th Floor  
One International Finance Centre  
1 Harbour View Street  
Central Hong Kong SAR

Phone: **+852 2166.8959**  
Fax: **+852 2166.8999**

See [www.adic.com](http://www.adic.com) for office locations worldwide.

 [www.adic.com](http://www.adic.com)

ADIC, Scalar, FastStor, StorNext, and AMASS are registered trademarks, and FastExchange, Intelligent Storage, iPlatform, Total Data Life Management, and AML are trademarks of Advanced Digital Information Corporation. All other trade or service marks mentioned should be considered the property of their respective owners. Specifications subject to change without notice. © 2003 Advanced Digital Information Corporation.

PO 0303