



AML/2

*Automated
Mixed Media
Library*

AML/2

The Large-Scale Data Management Solution

The ADIC® AML/2™ automated storage library is the premier solution for your large-system data storage.

- The AML/2 is the industry's largest capacity data storage library—the only one with fully redundant robotics for continuous data availability.
- It supports simultaneous use of different media and drive types and an easy migration path to new technologies to protect your investment.
- It scales together with your data growth using unique barrier-free expansion to eliminate all pass-through ports.
- Its multi-host architecture makes it easy to share the library between different applications and operating systems.
- And the AML/2 is supported by one of the industry's premier global networks of integration, logistics, and field support experts.

The First Choice for: Capacity, Density, Redundancy

The AML/2 is the industry's premier solution for large data system storage. It offers the industry's largest capacity, scaling to support hundreds of drives and more than 76,000 pieces of media. Supporting multiple drive technologies, the AML/2 can store more than 5,000 terabytes of data (native) and deliver any tape cartridge to any drive in less than 10 seconds. The AML/2's QuadroTower storage module system delivers this capacity with industry-leading density, offering over 6,500 GB per square foot. For true mission-critical applications, the ADIC AML/2 also offers the only large-scale data storage library in which every piece of media can be accessed by two fully redundant robotics systems to ensure maximum continuous data availability.

The AML/2 holds up to 5,184 TB and 400 drives, handles a mixture of drive and media types, scales without any pass-through ports, and offers the industry's only fully redundant robotics option.



adic



The AML/2 supports more than a dozen different media types, including all leading tape formats (3590, 9840, DTF, DLT, LTO, AIT, etc), recorders and media used by the broadcast and entertainment industries (Betacam, for example), and audio CDs and optical disks.

Making Change Work for You

All the new choices in tape and recording technologies are great news for storage—especially if you pick a library that supports them *all* instead of being tied to a single drive manufacturer's products. The AML/2 supports more than a dozen technologies today, and offers concurrent operation of different drive types in the same library. It is also designed to support integration of new technologies easily so you benefit, no matter who creates the next great drive. Multi-media capability allows you to:

- Pick the right technology for your information management job today.
- Support more than one drive type at the same time in a single library.
- And convert your library easily to next-generation technologies tomorrow, no matter who develops them.

Cross-Application Data Availability

The AML/2's multi-host architecture lets your library share data across all of your network applications and architectures, including Storage Area Networks. It also supports partition of the library's storage into user-defined virtual libraries, provides for automated data and media management, and allows easy remote monitoring and operation. The combination of the multi-host architecture and simultaneous support of different media types makes the AML/2 the most flexible storage system in the industry.

Performance and Scalability Within a Single Library

Library resources must be able to grow with your data. But for conventional systems, with extra robotics and cumbersome pass-through ports, scalability means much higher prices and much lower performance. The AML/2 offers a fundamentally different approach. The library grows simply by adding new, barrier-free modules; all of them are served by the same robotics without any pass-through ports. This unique expansion system gives the AML/2 the industry's widest range: from 2 to 400 drives and over 76,000 pieces of media. Barrier-free design means easy growth, low cost expansion, and fast performance: any tape is less than 10 seconds from any drive even at the maximum system size.

Protected with Global Support

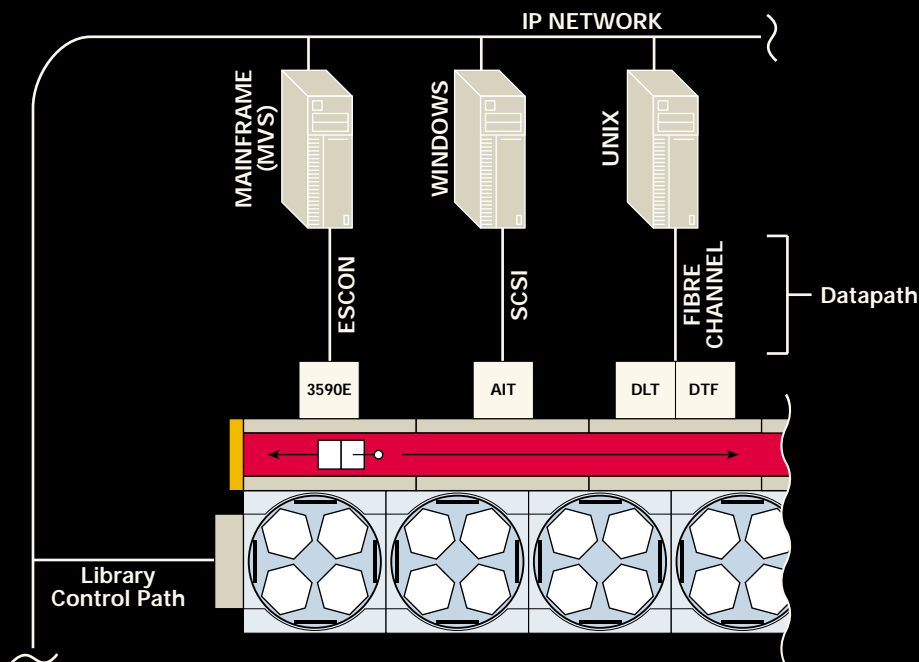
ADIC recognizes that total data management requires an integrated approach that includes both product design and an experienced service and support organization. The AML/2 begins with uncompromising design, ISO 9000 quality, reliability that has been proven in some of the world's most rigorous data storage environments, and redundancy, even in the robotics. Then we incorporate a professional services, infrastructure design, and training team that understands your storage needs and the ways that information serves your organization. To complete the solution, we add one of the industry's premier global support and logistics teams, providing service in more than 40 countries worldwide.

Supports Wide Range of Applications

The AML/2's mixed media support and barrier-free scalability make it the preferred choice for a wide range of data management tasks.

- Backup and Restore
- Nearline and HSM
- Digital Asset Management
- Archiving
- Digital Broadcasting
- Data Acquisition

AML/2 Multi-Host Architecture



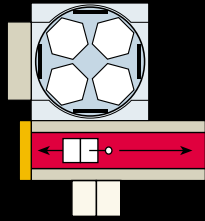
AML/2 Drive and Media Support

Drive	Media Capacity Native	Cartridges		System Capacity		Maximum Drives
		from	to	from	to	
3590E	40.0 GB	3,840	51,840	153.6	2,073.6 TB	up to 400
SDLT	110.0 GB	3,456	46,656	380.2	5,132.2 TB	up to 400
DLT8000	40.0 GB	3,456	46,656	138.2	1,866.2 TB	up to 400
DLT7000	35.0 GB	3,456	46,656	121.0	1,633.0 TB	up to 400
AIT2	50.0 GB	5,376	76,608	268.8	3,830.4 TB	up to 400
STK 9840	20.0 GB	3,840	51,840	76.8	1,036.8 TB	up to 400
LTO Ultrium	100 GB	3,840	51,840	384.0	5,184.0 TB	up to 400
SD-3 (RedWood)	50.0 GB	3,840	51,840	192.0	2,592.0 TB	up to 216
3480/90/E	0.8 GB	3,840	51,840	3.1	41.5 TB	up to 400
M8100	10.0 GB	3,840	51,840	38.4	518.4 TB	up to 400
Mammoth-2	60.0 GB	5,376	76,608	322.5	4,596.5 TB	up to 400
Optical Disk	5.2 GB	2,816	41,184	14.6	214.2 TB	up to 400
CD-ROM (caddy)	0.7 GB	4,800	64,800	3.1	42.1 TB	up to 400
DST 314 Medium	300.0 GB	960	12,096	288.0	3,628.8 TB	up to 216
DST 314 Small	150.0 GB	1,344	19,008	201.6	2,851.2 TB	up to 216
DTF-2 Large	200.0 GB	1,280	16,128	256.0	3,225.6 TB	up to 216
DTF-2 Small	60.0 GB	2,048	27,648	122.9	1,658.9 TB	up to 216
VHS	14.5 GB	1,792	23,040	26.0	334.1 TB	up to 324
Betacam Small	36 min	2,048	27,648	1,228.8	16,588.8 hours	up to 216
Betacam Large	110 min	1,280	16,128	2,346.7	29,568.0 hours	up to 216

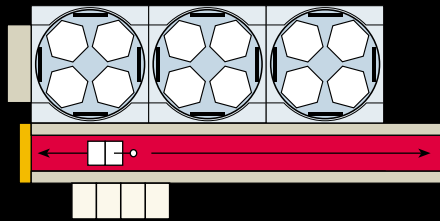
Minimum configuration assumes 2.05m configuration with one QuadroTower. Maximum configuration assumes 2.8m configuration with nine QuadroTowers. Maximum drive count assumes dual robots.

AML/2 Configurations

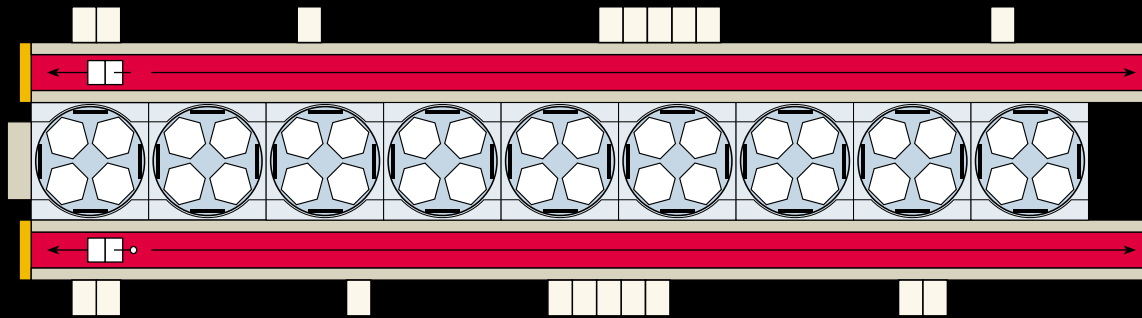
SAMPLE CONFIGURATIONS



System 1
Single QuadroTower, Single Robotic Track



System 2
Three QuadroTowers, Single Robotic Track



System 3
Nine QuadroTowers, Dual Robotic Tracks

AML/2 libraries grow with your data through a barrier-free expansion system that adds capacity and drives without using pass-through ports. Media is stored in QuadroTowers, offered in three different heights, which can be added to the library to accommodate growing data management demands. Drives are housed in up to 54 separate drive cabinets attached to the library. The AML/2 robotics support concurrent operation of multiple media types and can be easily upgraded in the field to add new drive and media technology. An optional second robotics system, which can access all the media in the library, provides full redundancy.

** Drive and media capacity will vary depending on number and type of drives and number of cabinets. Contact your ADIC representative for complete configuration options.*

LEGEND



QuadroTower
Media Storage



Drive Cabinets



Control Cabinet



Robot



Import/Export Unit

Drive Technology	Sample Cartridge Capacity per QuadroTower (up to nine per system)			Sample Drives Per Drive Module (maximum)
	2.05m	2.43m	2.8m	Drives per Drive Cabinet
3590	3,840	4,800	5,760	8
DLT	3,456	4,320	5,184	24
AIT/Mammoth	5,376	7,168	8,512	48
MO	2,816	3,872	4,576	16
CD-caddy	4,800	5,760	7,200	18
Betacam/DTF (large)	1,280	1,536	1,792	4

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Product		Physical	
Connectivity:	Multiple, concurrent, heterogeneous servers via the AML Management Unit	QuadroTower Module:	88.2 (W) x 88.2 (D) inches 2.24 (W) x 2.24 (D) meters Height = 80.8 inches (2.05 meters) 95.7 inches (2.43 meters), or 110.3 inches (2.8 meters)
Configurability		Robotic Track Section: (Two sections per QuadroTower Module)	44.1 (L) x 39.4 (W) inches 1.12 (L) x 1.0 (W) meters
Support for:	Half-inch (3480, 3490, 3590, 9840, M8100, SD-3 RedWood) DST small DST medium DLT SDLT CD-ROM (Caddy) LTO Ultrium Mammoth AIT VHS Betacam small Betacam large DTF small DTF large Optical Disk 5.2 Optical Disk Reflection	Typical Drive Cabinet:	26 (W) x 31.5 (D) inches 0.660 (W) x 0.8 (D) meters
Performance:	Up to 250 exchanges per hour Access time less than 10 seconds	Electrical Specifications	
Reliability:	1,000,000 MCBF (Mean Cycles Between Failure) Automatic calibration routines	Robotic Controller	
		North America:	208 volts, three phase
		Europe:	115, 230, or 400 volts, single phase
		Drive Cabinet:	208 volts, three phase
		Operating Environment	
		Temperature:	60°-90°F (16°- 32°C)
		Humidity:	15% minimum to 75% maximum
		Regulatory	
		Safety	
		North America:	UL: UL1950-ITE CSA: C22.2 #950
		Europe:	TUV: EN60950
		EMC-EMI	
		North America:	FCC, Part 15: Class A
		Europe:	CE Class A



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