



# AP Series Tape Library

## Product Overview

## AP Series Tape Library

Affordable, Automated Data Protection for All Organizations



PivotStor automated data protection simplifies the ever-expanding need for business continuity and data retention. It's the essential choice for organizations with requirements that can no longer be managed with direct-attach tape drives.



### Superior Value

Reduces cost and manpower associated with direct-attach, manual daily backup



### Automated Backup

Simplifies ever-increasing backup requirements for data protection and data management policies



### Uncompromising Reliability

Extensive design, manufacturing and compatibility testing assures AP Series tape libraries work with industry-leading servers, operating systems and backup software



### Remote Management

Manage the library on-site or on the road with an easy-to-use, Web-based remote management user interface



### Easy Install and Upgrade

AP Series tape libraries allow easy to install and upgrade capabilities, and faster servicing (when required) reduces downtime



### Flexibility Fits the Need

Models with LTO-3 or LTO-4 technologies offer outstanding capacity and performance with flexible interface support of Fibre Channel, SAS or SCSI LVD

**PivotStor delivers affordable rack-mount tape libraries that enable organizations to effectively accomplish two critical data protection tasks: fast backup and long-term data archival.**

PivotStor AP Series tape libraries provide reliable, automated data protection for organizations that require affordable, unattended data protection, and have outgrown the capabilities of entry-level tape autoloaders. You can quickly, easily and cost-effectively:

- free-up valuable IT resources
- further minimize human error
- generate offsite archives
- reinforce your business continuity plan

### Built-In Flexibility and Simplicity

PivotStor AP Series rack-mountable tape libraries are available in LTO-3 or LTO-4 models with Fibre Channel, SAS or SCSI LVD connectivity. They come out of the box ready to be installed and connected to either a server or SAN, and all models feature easy-to-use operator control panel (OCP), Web-based remote management user (RMU) interface to:

- execute setup and diagnostics
- check library status, operations and logs
- upgrade firmware

### A Configuration for Every Need

AP Series models are available in 2U, 4U or 8U rack-mount configurations.

Model	Tapes	Magazines	Capacity
2U	Up to 24	2	Up to 38.4TB
4U	Up to 48	4	Up to 76.8TB
8U	Up to 96	8	Up to 153.6TB

### A Hassle-Free Experience

Mounting hardware, power cords, interface cable and the PivotStor Tape Management CD are included with all AP Series tape library models. Also standard warranty for the TL2000 (2U) and TL4000 (4U) tape libraries is a one-year, PivotAdvance advance replacement limited warranty, and the standard warranty on the TL8000 (8U) Tape Libraries is a one-year, Basic support plan; 9x5 (Mon-Fri), next business day (NBD), on-site hardware service (see BalancedCare Service).



PivotStor AP Series Tape Libraries	AP Series 2U Tape Libraries	AP Series 4U Tape Libraries	AP Series 8U Tape Libraries	AP Series Tape Drive Upg
<b>Configurations</b>	<b>TL2000 Model</b>	<b>TL4000 Model</b>	<b>TL8000 Model</b>	<b>TL7000 Model</b>
LTO-3HH, SAS, 1 Drive	AP-TL2100A (24 slots)	AP-TL4100A (48 slots)	AP-TL8100A (48 slots)	AP-TL7100A
LTO-3HH, SCSI LVD, 1 Drive	AP-TL2101A (24 slots)	AP-TL4101A (48 slots)	AP-TL8107A (96 slots)	AP-TL7101A
LTO-3FH, FC, 1 Drive	AP-TL2102A (24 slots)	AP-TL4102A (48 slots)	AP-TL8101A (48 slots)	AP-TL7102A
LTO-3FH, SCSI LVD, 1 Drive	AP-TL2103A (24 slots)	AP-TL4103A (48 slots)	AP-TL8108A (96 slots)	AP-TL7103A
LTO-4FH, FC, 1 Drive	AP-TL2104A (24 slots)	AP-TL4104A (48 slots)	AP-TL8102A (48 slots)	AP-TL7104A
LTO-4FH, SAS, 1 Drive	AP-TL2105A (24 slots)	AP-TL4105A (48 slots)	AP-TL8109A (96 slots)	AP-TL7105A
LTO-4FH, SCSI LVD, 1 Drive	AP-TL2106A (24 slots)	AP-TL4106A (48 slots)	AP-TL8103A (48 slots)	AP-TL7106A
	AP-TL8110A (96 slots)		AP-TL8104A (48 slots)	
			AP-TL8111A (96 slots)	
			AP-TL8105A (48 slots)	
			AP-TL8112A (96 slots)	
			AP-TL8106A (48 slots)	
			AP-TL8113A (96 slots)	
<b>Maximum # of Drives</b>	<b>2 Half-Height, 1 Full-Height</b>	<b>4 Half-Height, 2 Full-Height</b>	<b>6 Half-Height, 4 Full-Height</b>	<b>NA</b>
<b>Maximum # of Slots</b>	<b>24</b>	<b>48</b>	<b>96</b>	
<b>What is included with the AP Series tape library unit</b>				
Mounting Hardware and Rail Kit	Yes	Yes	Yes	
Interface Cable	Yes	Yes	Yes	
US & UK Power Cord	Yes	Yes	Yes	
Tape Management CD	Yes	Yes	Yes	
Drive Installed	Yes	Yes	Yes	
Drive Mounting Hardware	NA	NA	NA	Yes
Barcode Reader	Yes	Yes	Yes	NA
Remote Management	Yes - Web Browser	Yes - Web Browser	Yes - Web Browser	NA
<b>Sustained 2:1 Compressed Data Transfer rate (Gbytes per hour)</b>				
LTO-3HH	Up to 432 per drive	Up to 432 per drive	Up to 432 per drive	Up to 432 per drive
LTO-3	Up to 576 per drive	Up to 576 per drive	Up to 576 per drive	Up to 576 per drive
LTO-4	Up to 864 per drive	Up to 864 per drive	Up to 864 per drive	Up to 864 per drive
<b>Supported Backup Software</b>				
BakBone NetVault, CA BrightStor ArcServe, CommVault Galaxy, EMC Legato NetWorker, EMC Retrospect, Symantec Backup Exec, Symantec NetBackup				
<b>Physical Specifications</b>				
Height (Product/Package)	87.6mm/248mm 3.45"/9.77"	173.3mm/330mm 6.83"/13"	352mm/533mm 13.86"/20.99"	Drive Dependant
Width (Product/Package)	447.5mm/598mm 17.62"/23.55"	444mm/598mm 17.48"/23.55"	480mm/589mm 18.9"/23.19"	Drive Dependant
Length (Product/Package)	740mm/993mm 29.14"/39.1"	804mm/993mm 31.66"/39.1"	806mm/987mm 31.74"/38.86"	Drive Dependant
Weight (Product/Package)	18kg/18.5kg 39.69lbs./40.79lbs.	24.5kg/26.43kg 54.02lbs./58.27lbs.	46.6kg/66.6kg 102.74lbs./146.83lbs.	Drive Dependant
Voltage/Frequency	50 - 60 +/- 5 % Hz	50 - 60 +/- 5 % Hz	50 - 60 +/- 5 % Hz	Drive Dependant
Power Input	100-240 VAC	100-240 VAC	100-240 VAC	Drive Dependant
Power Consumption	160W maximum	300W maximum	300W maximum	Drive Dependant
Operating Humidity	20% RH to 80% RH (non condensing)	20% RH to 80% RH (non condensing)	20% RH to 80% RH (non condensing)	Drive Dependant
Operating Temperature	5°C to 40°C	5°C to 40°C	5°C to 40°C	Drive Dependant
Operating Altitude	0 to 13,000 ft (4200 m) at 25 °C ambient	0 to 13,000 ft (4200 m) at 25 °C ambient	0 to 13,000 ft (4200 m) at 25 °C ambient	Drive Dependant
<b>Connectors</b>				
	Fibre Channel Models	SAS Models	SCSI LVD Models	
	(2) LC Optical Fibre	(1) Mini-SAS	(2) HD68	
	(1) RJ-45	(1) RJ-45	(1) RJ-45	
	(1) USB (diagnostic only)	(1) USB (diagnostic only)	(1) USB (diagnostic only)	

Notation on interface support; Fibre Channel (FC) is 4Gb/s, SAS is 3Gb/s, SCSI LVD is either Ultra160 SCSI LVD or Ultra320 SCSI LVD

PivotStor, LLC  
7274 Clairemont Mesa Blvd  
San Diego, CA 92111  
858.279.7807