



actiLib LTO Tape Automation

LTO Tape Autoloader and Libraries - flexible use for increasing capacity needs



The actiLib automation series from actidata offers cost effective tape autoloaders and libraries in rack enclosures, where companies can successfully meet two critical backup tasks: quick backup and long-term archiving of data.

The product range includes reliable, cost optimized storage solutions for companies that need automatic data backup at affordable prices while their data volume exceeds the possibilities of single tape drives. The actiLib tape automation series is recommended for IT environments where automatic backup needs to be realized within a low budget.

Outstanding benefits of tape automation

The usage of the actiLib series of tape automation makes it easier to keep pace with the ever-increasing demands for data backup. Companies that can no longer cover their backup needs with single tape drives, the optimal solution can be found here with actidata's tape automation.

Easy to administrate

Thanks to an OCI (Operator Control Panel) on the base unit as well as a remote management interface the tape automation can be configured and monitored directly at the system or centralized within the IT structure, so that the administration effort is significantly optimized.

Investment protection through scalability

The performance and capacity of the 2U/4U can be easily extended by customize tape libraries through an extension module, without having to invest in a new IT infrastructure.

Product Highlights

- LTO tape automation incl. LTO-7 state of the art technology
- 1U, 2U or 4U rackmount version
- Scalable with optional Library Extension Module for two 2U/4U actiLib tape libraries
- Up to six tape drives for simultaneous operation (also with a mix of LTO technologies)
- 8 – 96 Slots depend on model
- Up to 1500 TB capacity
- SAS or FibreChannel data interfaces
- Compatible with all common SAS or FibreChannel HBAs / Switches
- RJ45 Ethernet-Management Port
- Compatible with all common backup software manufacturers
- 36 months limited warranty included
- 36 months FES Fast Exchange Service (exchange in advance) included
- Optional service extension up to 60 months as well as Onsite Services
- Optional installation service



actiLib 1U / 2U / 4U



Technical Specifications	actiLib 1U LTO Autoloader	actiLib 2U LTO Library	actiLib 4U LTO Library
Form factor	1U / 1HE – 19" rackmount	2U / 2HE – 19" rackmount	4U / 4HE – 19" rackmount
No. of LTO slots	8 slots	24 slots	48 slots
Magazines (swappable)	2	2	4
Mailslots / barcode reader	- / 1	1 / 1	3 / 1
No. of LTO tape drives (HH)	1	1 or 2	1, 2, 3 or 4
Scalability optional (max.)	-	72 slots, 4 tape drives, 6U	96 slots, 6 tape drives, 8U
Power supply	1	1	1 or 2 (optional/redundant)
User panel	LCD panel interactive (OCI – Operator Control Panel)		
Remote management	Via separate RJ 45 (Ethernet interface) RMI (Remote Management Interface) via https; multilingual		
Limited Warranty	36 months – service extension up to 60 months as option		

Tape Drive Technology	LTO-5	LTO-6	LTO-7
Capacity per media native / DC*	1,5 TB / 3,0 TB	2,5 TB / 6,25 TB	6 TB / 15 TB
Data transfer rate native / DC*	140 MB/s / 280 MB/s dynamic	160 MB/s / 400 MB/s Dynamic	300 MB/s / 750 MB/s dynamic
Interfaces per LTO tape drive	SAS or FC	SAS or FC	SAS or FC

Capacities & Transfer Rates * = Data Compression	actiLib 1U LTO Autoloader	actiLib 2U LTO Library	actiLib 4U LTO Library
Capacity LTO-5 native / DC*	12 TB / 24 TB	36 TB / 72 TB	72 TB / 144 TB
Capacity LTO-6 native / DC*	20 TB / 50 TB	60 TB / 150 TB	120 TB / 300 TB
Capacity LTO-7 native / DC*	48 TB / 120 TB	144 TB / 360 TB	288 TB / 720 TB
Data transfer rates: max. LTO-5 native / DC*	0,5 TB/h / 1 TB/h	1,0 TB/h / 2,0 TB/h	2,0 TB/h / 4,0 TB/h
max. LTO-6 native / DC*	0,6 TB/h / 1,5 TB/h	1,2 TB/h / 3,0 TB/h	2,4 TB/h / 6,0 TB/h
max. LTO-7 native / DC*	1,1 TB/h / 2,7 TB/h	2,2 TB/h / 5,4 TB/h	4,4 TB/h / 10,8 TB/h
Time initialization	80 – 120 s		
Average time media change	45 s		
Average time inventory	80 - 135 s (using barcode reader with labelled data cartridges)		
Environment Conditions	actiLib 1U LTO Autoloader	actiLib 2U LTO Library	actiLib 4U LTO Library
Temperature (operation)	10° C – 35° C		
Temperature (transport)	-30° C – 60° C		
Humidity (relative operation)	20% - 80%, not condensing		
Humidity (relative transport)	20% - 80%, not condensing		
Height (operation)	3.900 m		
Height (transport)	10.675 m		
Power connection	AC 100-240 Volt (50 – 60 Hz)		
Reliability	actiLib 1U LTO Autoloader	actiLib 2U LTO Library	actiLib 4U LTO Library
MTBF (MeanTimeBetweenFailure)	100.000 h	100.000 h	100.000 h
MSBF (MeanSwapBetweenFailure)	2.000.000	2.000.000	2.000.000
Width x Depth x Height	48,2 x 80,6 x 4,4 cm	48,2 x 80,6 x 8,7 cm	48,2 x 80,6 x 17,5 cm
Weight (typically, depend on configuration)	ca. 11,5 kg	ca. 15,6 kg	ca. 21,4 kg