actiTape LTO Professional Line

LTO SAS Tape Drive in an 1U Rackmount Chassis or in an External Enclosure

Product Highlights

- Robust in 1U Rackmount Chassis or external Enclosure (Tabletop)
- Built-in Power Supply Unit incl. separate ON/OFF switch
- Proven LTO-9 / LTO-8 technology with SAS Interface
- Up to 18TB Capacity (compressed up to 45TB* per Data Cartridge)
- Up to 300 MB/s native data transfer rate (compressed up to 750MB/s*)
- Connection to a centralized server via one external 6G or 12G SAS Interface supported for most popular backup and archive management software
- 36 Months limited warranty
- 36 Months exchange in advance Service (Fast Exchange Service)

Linear Tape Open – LTO Tape Technologie

LTO technology has established itself as a State-of-the-art standard in the data backup and archiving market segment. With a LTO-9 capacity per Medium of 18-45* TB and a data recording speed of up to 300-750* MB/s, the vast majority of requirements for an exchangeable medium in small and medium-sized IT environments are met.

Make saving Mission Critical Data easy

The actiTape LTO 1U or External Professional is easily connectable to an existing server via a SAS interface and will be operated by a server based backup or archive software. Loading and unloading of LTO media can be done easily by man. This allows mission-critical data to be stored on an exchangeable medium and kept securely at an external location.

Service & Support included

actiCare service stands for a 36-month limited warranty including the proven Fast Exchange Service (Advance Replacement of defective parts) as well as free technical support by phone, e-mail and internet in English.
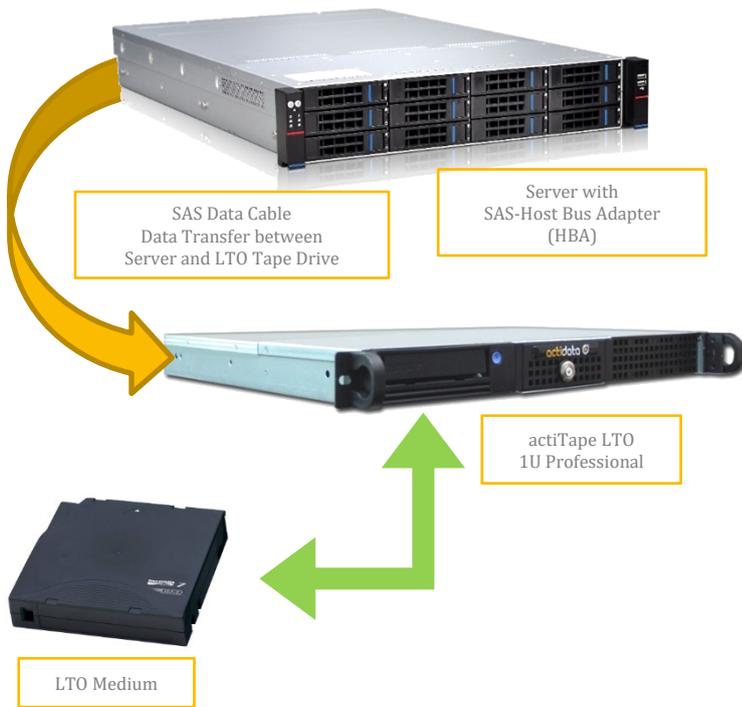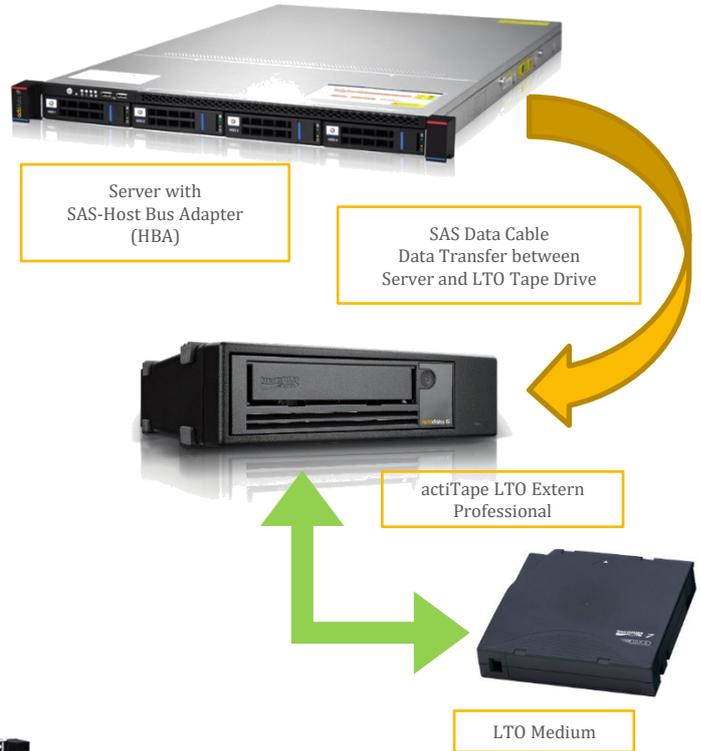
* 2,5 : 1 Data Compression inline with LTO Standard

actiTape LTO Professional

LTO Tape Drive connected to an centralized server

The external actiTape LTO Tape Drive has its own built-in power supply unit. The data are carried out via a powerful SAS interface, depend on model where an SFF-8088 or SFF8644 connector is equipped. Basied on the SAS Host Bus Adapter (HBA), the SAS data cable must be selected correctly matching the server's interface. Today's SAS HBAs are usually equipped with external connectors according to the 6G SFF-8088 or the 12G SFF-8644 standard.

Note:
The actiTape LTO External Professional delivery scope does not include an SAS data cable. However, these are available as options in the SFF-8088 to SFF-8088 and SFF-8088 to SFF-8644 variants.

Server with
SAS-Host Bus Adapter
(HBA)

SAS Data Cable
Data Transfer between
Server and LTO Tape Drive

actiTape LTO Extern
Professional

LTO Medium

SAS Data Cable
Data Transfer between
Server and LTO Tape Drive

Server with
SAS-Host Bus Adapter
(HBA)

actiTape LTO Professional

Selection of Backup or Archive Software

The operation of the actiTape LTO Professional Drives (Tape Drives) requires backup or archiving software, which must be selected according to the requirements and installed on the server.

The backup or archiving software manages data on LTO media. Usually, the table of contents of the used media are also available in software's data bases, which allows a quick retrieval.
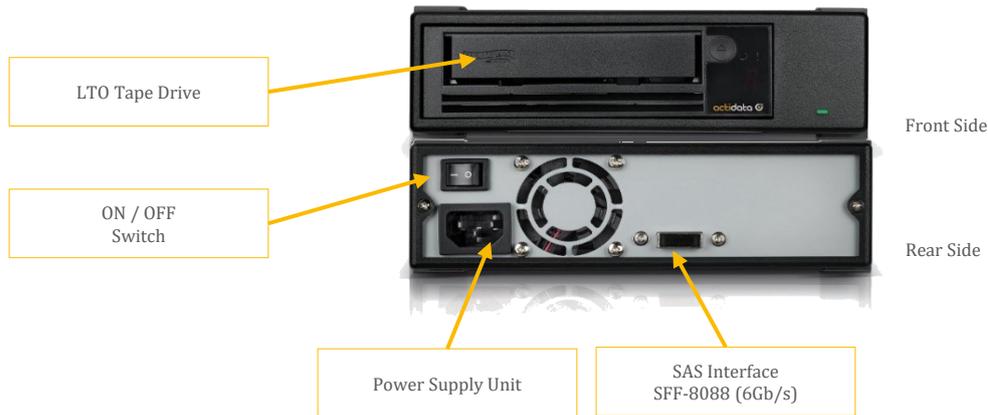
Tipp:
The manual, unique labelling by the user of LTO media protect for media mismatch. Labels beside the LTO media contents are very helpful.

actiTape LTO
1U Professional

LTO Medium

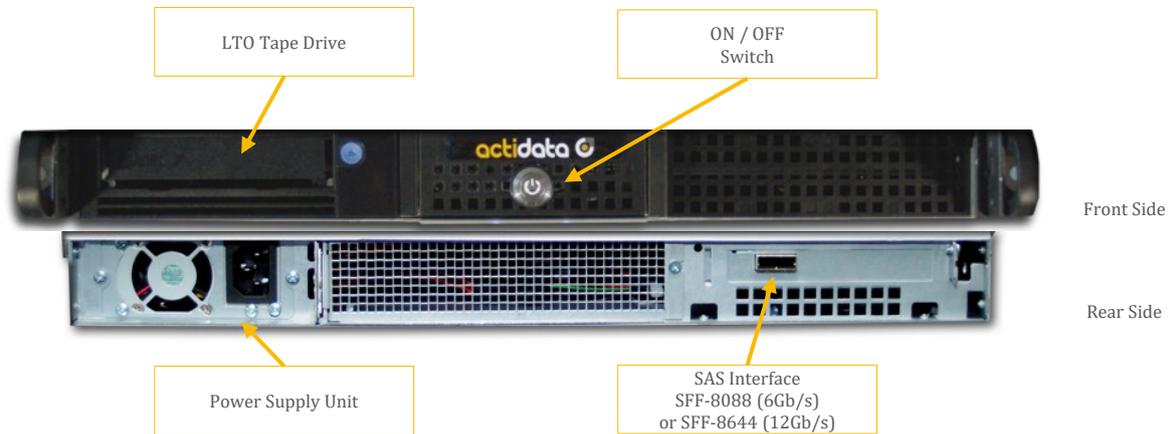# Backup and Archive Software with actiTape LTO Professional Line

Most known Software Manufacturer with professional applications support the actiTape LTO Professional Line.
As examples:

actiTape LTO External Professional:
(only LTO-8)

LTO Tape Drive

Front Side

ON / OFF Switch

Rear Side

Power Supply Unit

SAS Interface SFF-8088 (6Gb/s)

actiTape LTO 1U Professional:

LTO Tape Drive

ON / OFF Switch

Front Side

Rear Side

Power Supply Unit

SAS Interface
SFF-8088 (6Gb/s)
or SFF-8644 (12Gb/s)

Compatibility LTO Recording Standard:

ULTRIUM LTO	LTO Technology								
	LTO-9	LTO-8	LTO-7	LTO-6	LTO-5	LTO-4	LTO-3	LTO-2	LTO-1
LTO-9	R/W	-	-	-	-	-	-	-	-
LTO-8	R/W	R/W	-	-	-	-	-	-	-
LTO-7 Type M	-	R/W	-	-	-	-	-	-	-
LTO-7	-	R/W	R/W	-	-	-	-	-	-
LTO-6	-	-	R/W	R/W	-	-	-	-	-
LTO-5	-	-	R	R/W	R/W	-	-	-	-
LTO-4	-	-	-	R	R/W	R/W	-	-	-
LTO-3	-	-	-	-	R	R/W	R/W	-	-
LTO-2	-	-	-	-	-	R	R/W	R/W	-
LTO-1	-	-	-	-	-	-	R	R/W	R/W
CC-Cleaning	yes	yes	yes	yes	yes	yes	yes	yes	yes

Status: October 2021 / R = Read compatible / W = Write compatible
– = LTO-Format is not supported

actidata

actiTape

actiTape LTO Professional Line
Technical Data

Product Type	actiTape LTO-8 External Professional	actiTape LTO-8 / LTO-9 1U Professional
Description	LTO Tape Drive (HH half high) in external Enclosure (Tabletop)	LTO Tape Drive (HH half high) in 1U Rackmount / Chassis
Application	LTO Backup Tape Drive for connection to a server via SAS interface	
Recording Technology	LTO-8	LTO-9 / LTO-8 Depending on type of Tape Drive
Capacity native/compressed*	LTO-8: 12TB / 30TB*	LTO-8: 12TB / 30TB* LTO-9: 18TB / 45TB*
Compatibility Write/Read	LTO-8: Write LTO-8 / LTO-7; Read LTO-8 / LTO-7	LTO-8: Write LTO-8 / LTO-7; Read LTO-8 / LTO-7 LTO-9: Write LTO-9 / LTO-8; Read LTO-9 / LTO-8
Interface	Serial SCSI (SAS) – SFF-8088 external connector	Serial SCSI (SAS) – SFF-8088 or SFF-8644 external connector
Power Supply Unit	110-240 Volt 50W	110-240 Volt 350W
Power Consumption (typ.)	ca. 34W	ca. 35W
Operation Conditions	Temperature: 10-35°C (Operation) -10°C - 50°C (Transportation) Humidity (not condensed): 20-50% (recommended with change <5%/h)	Temperature: 10-27°C (Operation) -10°C - 50°C (Transportation) Humidity (not condensed): 20-50% (recommended with change <5%/h)
Dimension Weight	98 x 59 x 259 mm (W x H x D) ca. 3,8kg	480 x 44,5 x 585 mm (W x H x D) ca. 7,4kg
Limited Warranty	36 Months (3 Years) incl. Fast Exchange Service (FESc) E-Mail/Internet-Support & Telephone Hotline	
Certification	CE, TÜV-Safety, RoHS	
Optional Accessories	LTO Cleaning Cartridge, LTO Data Cartridge (Medium) SAS Cable, SAS Host Bus Adapter Telescope-Rails (for 1U Version only)	

* 2,5 : 1 Data Compression inline with LTO Standard

actiTape LTO Professional Line
Product Configurations:

Item No.	Product Configuration: actiTape LTO Professional Line
18202000 **	actiTape LTO-8 external professional (extern Tabletop), SAS 6G (SFF-8088)
18402000	actiTape LTO-8 1U professional (extern Rackmount), SAS 6G (SFF-8088)
19402000	actiTape LTO-9 1U professional (extern Rackmount), SAS 12G (SFF-8644)

* EOL planned in 2025 – check for availabilty