



SafeTape LTO2 Secure Tape Subsystem

A LTO-2 tape subsystems with built in data encryption to meet the requirements of modern compliance regulations.

- b Up to 400 Gbytes capacity on a single tape.
- b A Secure backup solution in one unit.
- b Uses unique 3DES² encryption to ensure security and integrity of data.
- b Compatible with all major backup software
- b Choice of SCSI LVD, SCSI HVD, iSCSI or Fibre channel interfaces.
- b Also available with AIT or SDLT tape drives

Why encrypt data on tape?

Modern systems are well protected against external intrusion by a large number of specialist appliances and software; internal intrusion is defended against by access control, audit systems and by only giving people access to information they need. To ensure the data can be recovered in the event of a disaster, system malfunction or even human error data needs to be backed up and kept at a place away from the system.

Most systems use tape as the media of choice for this operation. Once written to tape however the data is completely unprotected—no access control, passwords or audit trail is involved with the data.

To ensure this valuable data (and it must be valuable or else why is it backed up?) cannot be accessed or modified when on tape the SafeTape range uses 3DES² encryption to ensure it remains secure, confidential and the integrity is assured.

Specifications

Interfaces

SCSI		
Connection		68 way MicroD x 2
Burst rate		80 Mbytes/sec
Sustained rate		52 Mbytes/sec
FC		
Connection		SFP
Burst rate		200 Mbytes/sec
Sustained rate		52 Mbytes/sec
iSCSI		
Connection		RJ45 Gigabit copper
Burst rate		100 Mbytes/sec
Sustained rate		52 Mbytes/sec

LTO-2 Drives

The SafeTape LTO2 utilises the generation 2 model of the Ultrium Tape Drive with a compressed capacity of up to 400 GB when using an LTO Ultrium 200 GB Data Cartridge. Ultrium 2 Tape Drives can read and write first generation LTO Ultrium Data Cartridges at original capacities and with improved performance.

Why IBM LTO?

LTO is an open tape architecture developed by a consortium of three top storage producers. IBM Ultrium drives share best-of-breed technology with advanced multi-track recording capabilities, magneto-resistive (MR) head and servo technologies, and high recording densities. Ultrium 2 drive enhancements include digital speed matching, power management, channel calibration and 512 data tracks.

SafeTape LTO2

SafeTape is "Powered by Paranoia!"

The Paranoia range of tape encryption products have been in use throughout Europe and North America since 1997 ensuring valuable data assets remain confidential and their integrity assured.

The SafeTape products utilise the latest generation of encryption engines from the Paranoia family and are fully compatible with the Paranoia2 product range.

Part No	Description
1072-80	SafeTape LTO-2 with SCSI LVD interface, 400 Gbytes capacity
1082-80	SafeTape LTO-2 with 2 Gb Fibre channel interface, 400 Gbytes capacity
1092-80	SafeTape LTO-2 with iSCSI interface, 400 Gbytes capacity
1072-81	SafeTape LTO-2 with SCSI LVD interface, 400 Gbytes capacity, LCD status display
1082-81	SafeTape LTO-2 with 2 Gb Fibre channel interface, 400 Gbytes capacity, LCD status display
1092-81	SafeTape LTO-2 with iSCSI interface, 400 Gbytes capacity, LCD status display

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