



## ParanoiaSF

An in-line hardware tape encryption unit with SCSI to fibre conversion that requires no system or software changes and can be used on both stand alone and library tape drives.

- Can be used to secure data written to a remote fibre channel tape unit
- Unique interlaced dual-DES and dual-DES3 modes
- LCD Status information
- *On the fly* tape encryption
- GUI configuration software
- Transparent to operating system
- Dual key user entry plus hardware key
- LVD, S/E or HVD wide SCSI host interface
- Fibre channel tape interface
- Up to 52 MB/sec sustained encryption rate



## 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. When the backup job runs it needs access to all the data areas in order to do the job and a part of any good backup software is a security device to ensure that unauthorised users cannot use this access as a “back door” to the system.

To ensure this valuable data (it must be important or else why is it backed up?) cannot be accessed or modified when on tape the Paranoia2 range uses 3DES<sup>2</sup> encryption to ensure it remains secure, confidential and the integrity is assured.

## Specifications

### Interfaces

#### SCSI LVD

Host Connection	68 way MicroD x 2
Tape connection	SFP
Burst rate	80 Mbytes/sec
Sustained rate	52 Mbytes/sec

#### SCSI HVD

Host Connection	68 way MicroD x 2
Tape connection	SFP
Burst rate	40 Mbytes/sec
Sustained rate	37 Mbytes/sec

## ParanoiaSF

The PARANOIASF is the second generation in the range of tape encryption units designed to allow data being written to tape to be encrypted and decrypted to DES or triple DES standard *on the fly*. ParanoiaSF is designed to allow the latest fibre channel tape devices to be connected up to legacy system to produce secure encrypted tapes. It is platform independent and needs no changes to either hardware or software on the host system. Each ParanoiaSF unit has its own encryption key produced from two separate parts; the user enters their own key(s) using the supplied GUI program or via a standard dumb terminal, and this is used with a customer unique internal code chip to produce the final key.

## ParanoiaSF

### Parasoft

The Paranoia unit has a number of possible configurations and to make use easier each unit comes supplied with Parasoft GUI program to configure and control the unit more easily. This program runs under Windows 95 and above.

Part No	Description
1064-24	ParanoiaSF LVD/SE host interface & FC tape interface unit in 2U desk top chassis with LCD status display
1064-25	ParanoiaSF LVD/SE host interface & FC tape interface unit in 2U rack mount chassis with LCD status display
1064-27	ParanoiaSF LVD/SE host interface & FC tape interface in 1U rack mount chassis
1065-24	ParanoiaSF HVD host interface & FC tape interface unit in 2U desk top chassis with LCD status display
1065-25	ParanoiaSF HVD host interface & FC tape interface unit in 2U rack mount chassis with LCD status display
1065-27	ParanoiaSF HVD host interface & FC Tape interface unit in 1U rack mount chassis

DISUK Limited  
25 Olympia Close,  
Northampton, NN4 0RU, U.K.  
Tel: 44 (0)1604 701900  
Fax: 44 (0)1604 762100  
www.disuk.com



Available from:

Diwega GmbH, 8902 Urdorf, www.diwega.ch