

# ParanoiaFF

## Tape Encryption Appliance



The ParanoiaFF offers a simple and straightforward means of adding removable storage security to existing fibre channel interfaced tape units without the need for changes in the operating system, backup software or procedures.



### FEATURES

- 2 Gb FC Interfaces
- Automatic WWN passing
- Dual Interlaced encryption
- Built in pre-compression
- System independent
- Transparent to the Operating System
- Unique user ID chip for added security
- Dual User keys to avoid single person access
- Supports Libraries
- Smartcard key management option



## THE CIAS OF REMOVABLE STORAGE SECURITY

The problems that need to be solved by any removable storage encryption products are the same. The device must ensure that the information remains confidential and is only available to those who are authorised, the integrity of the data must be confirmed, the data must be easily available when required by those authorised people and it must be simple to understand and utilise.



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## DATA AT RISK

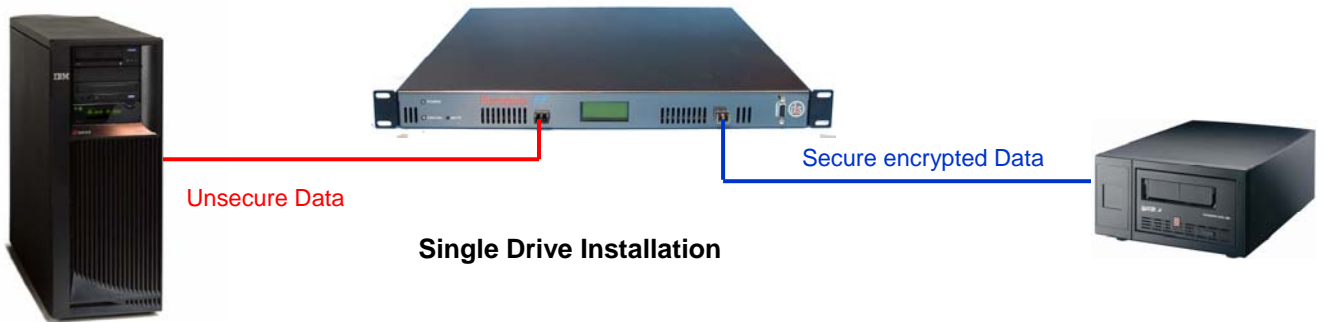
When looking at the threat assessment for information security there are a number of different points, some common to most areas and some specific to particular industries and sectors.

Information has become the core asset of many businesses and with the continued growth of reliance on IT systems this becomes more true for a growing number of businesses. Security has become a big issue but still many people are focusing only on internet access and the communication side of security and issues of access control.

Press reports are however covering a more basic problem, data theft and fraud by 'trusted' members of staff. Some of these reports show clearly that the staff member was 'taking revenge' after being disciplined, or passed over for promotion. Some have been because they believed that the company was covering up illegal, environmental or financial wrongdoing. Some have been due to simple stupidity or greed.

Whatever the reason the damage can be catastrophic to a company, its reputation and its share price! Looking through the press, or on the web it is easy to find examples of financial institutions in trouble for hiding untaxed deposits, petrochemical companies covering up environmental damage, or medical records becoming available to the general public.

## CONFIGURATION



### Fibre Channel Configuration

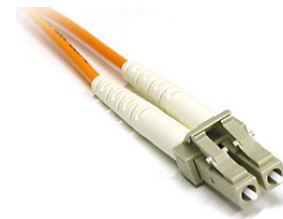
The ParanoiaFF supports all types of Fibre Channel tape drives and topologies on a one to one basis. There is no fibre channel configuration required as the unit will detect the world Wide Name (WWN) of the attached drive at start up and this will then be repeated to the host system. This means that any pre configured fibre channel zoning will not be affected.

When using multiple drives within a tape library multiple ParanoiaFF units can be utilised.



**Small Form Factor  
Pluggable GBIC**

Units are supplied complete with two Small Form Factor Pluggable GBICs (SFP's), fibre connection cable, serial cables, power cord and GUI software to allow for installation



**LC Duplex  
connection**

## EASY TO INSTALL AND MANAGE

The ParanoiaFF is designed to allow users to understand how to install and configure the units in case of a disaster to ensure this could be done without adding to the recovery time. Management is simple and straightforward and can be done either locally using the serial interface or remotely across the LAN or WAN by using the optional network feature. The supplied GUI allows for setting the level of encryption as well as catering for the need to be able to read and/or write unencrypted tape if required.



