

# Paranoia<sub>3</sub>

## Tape Encryption Appliance

*The next generation in removable storage encryption.*

Paranoia<sub>3</sub> is the third generation of our field proven tape storage encryption appliances and delivers even greater speed and flexibility while maintaining our philosophy of simplicity of use, integration and operation already appreciated by users of the earlier Paranoia family products.



### FEATURES

- AES128, 192 or 256 user selectable encryption
- 320 Mb/sec SCSI interface
- 4 Gbit/sec Fibre Channel Interface
- Supports up to four tape drives + library
- Support for all host systems
- No change to OS or backup software
- Unique user ID chip for added security
- Dual User keys to avoid single person access
- 1U rack or desk top enclosure
- Low power use and low thermal footprint



## 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.

Paranoia3 meets all those requirements be it in the SCSI or the fibre channel version.



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## DATA AT RISK

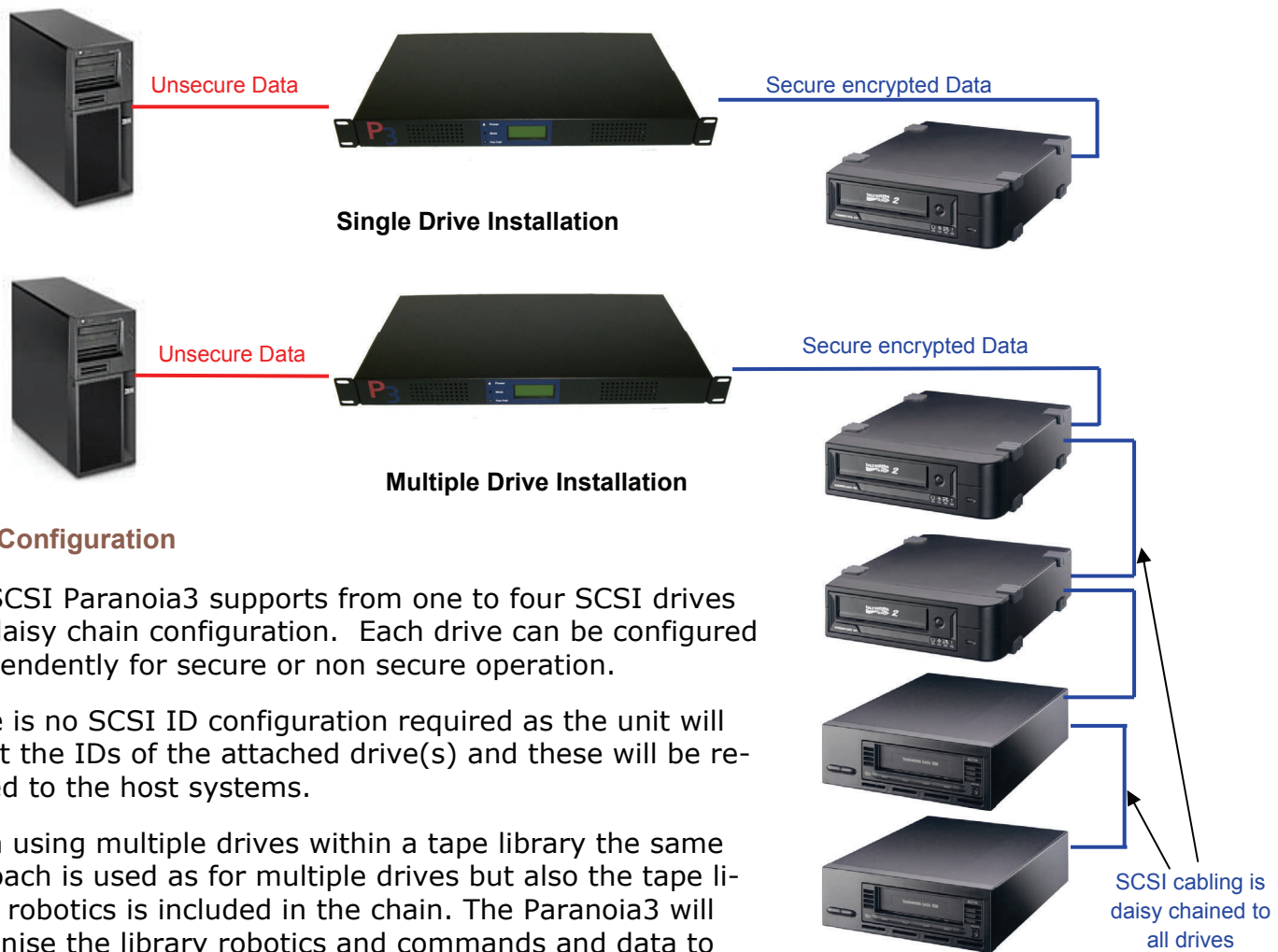
When looking at the threat assessment for information security there are a number of different points, some common to most areas and some specific to particular industries and sectors.

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 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



### SCSI Configuration

The SCSI Paranoia3 supports from one to four SCSI drives in a daisy chain configuration. Each drive can be configured independently for secure or non secure operation.

There is no SCSI ID configuration required as the unit will detect the IDs of the attached drive(s) and these will be repeated to the host systems.

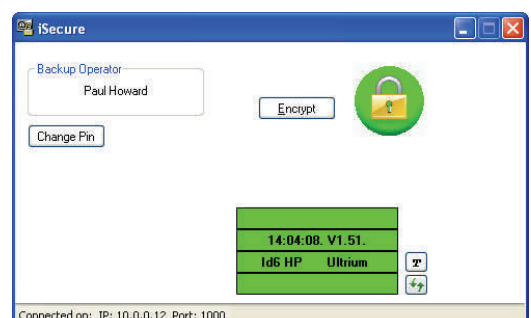
When using multiple drives within a tape library the same approach is used as for multiple drives but also the tape library robotics is included in the chain. The Paranoia3 will recognise the library robotics and commands and data to that will not be changed.

### Fibre Channel Configuration

The Fibre Channel Paranoia3 supports up to four fibre devices and these can be via a switch or when library outputs all devices on a single fibre channel these can be supported directly. Professional installation is recommended for all fibre channel units where more than one device is to be connected.

### EASY TO INSTALL AND MANAGE

The Paranoia3 was 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. 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.



# Paranoia3 Tape Encryption Appliance

## SPECIFICATIONS

SCSI Unit Specification	
Host bus	320 Mb/sec
Tape Bus	320 Mb/sec
Host connectors	2 x 68 way Micro D
Tape connector	1 x 68 way Micro D
Host Termination	External
Tape Termination	Internal
Data Rate	320 Mb/sec
Serial	9 way D type, 38400 baud
Ethernet	10/100BaseT with RJ-45 connector
Nominal input voltage	90 to 264 VAC, universal
Input line frequency	47 to 63 Hz
Operating temperature	0° to 55°C (32° to 131°F)
Relative humidity	5% to 95% non-condensing
Size	45 x 430 x 240 mm
Weight	TBA

Fibre Channel Unit Specification	
Host bus	4 Gbits/sec
Tape Bus	4 Gbits/sec
Host connectors	Short wave with LC connector
Tape connector	Short wave with LC connector
Host Interface	•Fibre Channel class 2 and 3
Tape Interface	•Fibre Channel class 2 and 3
Data rates	1.0625, 2.125, 4.25Gb/s
Maximum frame size	2112-byte payload
Serial	9 way D type, 38400 baud
Ethernet	10/100BaseT with RJ-45 connector
Nominal input voltage	90 to 264 VAC, universal
Input line frequency	47 to 63 Hz
Operating temperature	0° to 55°C (32° to 131°F)
Relative humidity	5% to 95% non-condensing
Size	45 x 430 x 240 mm
Weight	TBA

### Models

Part Number	Description
P3-LVD-RMSCS2	Paranoia3 LVD 1U chassis
P3-FBR-RMFBR2	Paranoia3 Fibre Channel

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