

**Ultra/Fast/Wide SCSI Host Interface • 40 MB/Sec. • Ultra/Fast/Wide SCSI Device Interface**

# Tape Mirroring

- *High Performance*
- *Enhanced Reliability*
- *Disaster Recovery*



## **Increased Overall System Performance**

Simultaneously create two identical backup tapes in real-time.

No additional system overhead.

## **Increased Data Availability**

Recover valuable data even if one tape becomes lost, stolen or damaged.

## **Increased Reliability**

Verify restored data by automatically comparing tape contents.

Either copy can be used independently for recovery.

## **Disaster Recovery**

Full fault tolerance protection with user configurable disaster recovery options.

## **100% Software Transparency**

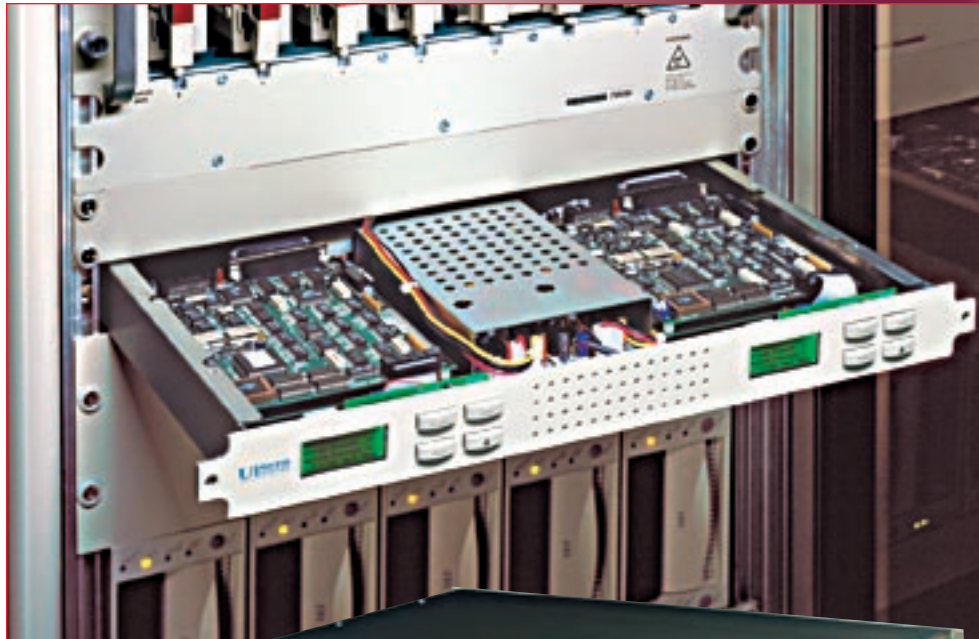
No software changes of any kind are required. For current systems using tape the Imager is plug and play with "ALL" existing tape backup software.

## **NT/Win 95/98 GUI**

A full featured GUI for controlling and monitoring all operating and off-line modes.

## **Plug Compatibility**

The Imager 2 controller is presented to the host as a single SCSI tape drive providing plug and play with host systems supporting SCSI-1 or SCSI-2 tape protocols.



TOP TO BOTTOM:

DUAL IMAGERS PACKAGED IN 19" RACK-MOUNT ENCLOSURE, SHOWING SCSI CABLING CONNECTIONS, 19" RACK-MOUNT FRONT ENCLOSURE WITH SINGLE ULTERA CONTROLLER, 19" RACK-MOUNT FRONT ENCLOSURE WITH DUAL ULTERA CONTROLLER

**Maximum Flexibility & Control**

- Four Specific Mirroring Mode Options
- Two Disaster Recovery Options
- Fault Tolerant Mode
- Two Pass Through Options

**Offline Operations**

The "Imager 2" controller has built in hardware utilities for:

- Tape Copy
- Tape Compare
- Tape Verify
- Tape Drive Diagnostics
- "Self Test" Diagnostics

**STANDARD MODEL INFORMATION**

TM051: Controller Board only, single-ended wide host interface, single ended wide device interface

TM851: Controller Board within 5.25" half height enclosure, with 4 line by 20 character LCD Panel

TM2151: Single Imager Controller Board in 19" rack mount enclosure, with 4 line by 20 character LCD Panel

TM2251: Dual Imager 2 Controller Boards in 19" rack mount enclosure with dual LCD Panels

**FRONT PANEL**

The front panel consists of a 4 line by 20 character display and a 4 push button key pad.

**Host Interface (Single ended)**

The host interface provides connection between the Imager mirroring controller and the SCSI host system. It conforms to the SCSI-2 protocol while maintaining compatibility to SCSI-1, 8/16 bit SCSI. Ultra Synchronous transfers combined with wide transfers allows for maximum of **40 MB/sec** burst data rate.

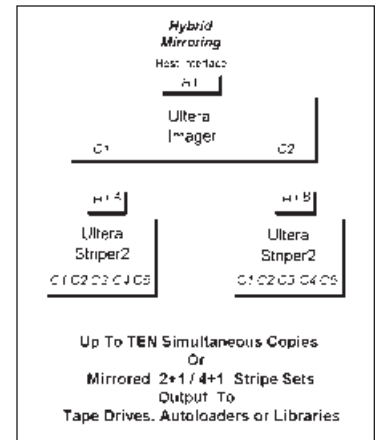
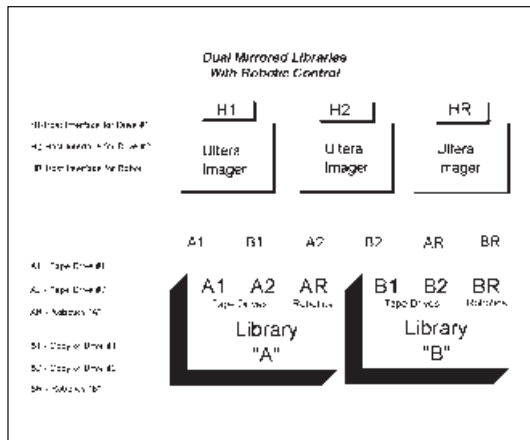
**Drive Interfaces (Single ended)**

The drive interface provides 2 parallel SCSI channels between the Image 2 mirroring controller and the tape drives. The 8/16 bit SCSI Fast ULTRA synchronous transfers combined with wide transfers allows for maximum of **40 MB/sec** burst data rate. Compatible with SCSI-1 and SCSI-2 devices. ALL major tape drives are supported.

**GUI for NT/Win95/98**

Ultera offers an optional remote access Graphical User Interface program called Ultimate™ that runs under NT, Win95, Win98 and DOS. Running on the host system, Ultimate™ allows the user to remotely control and monitor up to 8 Ultera Tape Array subsystems.

**C O N F I G U R A T I O N E X A M P L E S**



DIMENSIONS			
MODEL NUMBER	WIDTH	DEPTH	HEIGHT
TM051	5.5"	7.0"	.433"
TM851	5.75"	8.64"	1.67"
ENVIRONMENT (EXCLUSIVE OF DRIVES)			
POWER	TM051	TM851	TM2151 / TM2251
Input Voltage	+5VDC, 10%	+5VDC, 10%	90-246VAC:50/60HZ
Supply Current	2.0A, MAX	2.0A, MAX	
TEMPERATURE			
Operating	5° C to 50° C		
Non-Operating	-40° C to 60° C		
HUMIDITY			
Operating	10% to 80% Non-Condensing		
Non-Operating	10% to 90% Non-Condensing		
WARRANTY			
	One Year		



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