

Ultra2 Wide SCSI Host Interface • 80 MB/Sec. • Ultra/Fast/Wide SCSI Device Interface

Tape Mirroring

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



When One Copy Just Isn't Enough

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

Either copy can be used independently for recovery.

Robotics Support

Mirrors within a single tape library (LibraryMaster™) or across two tape libraries (RAILMaster™).

Disaster Recovery

Automatically backs up data to 2 tapes.
Restores data from one tape allowing mirror copy to be taken offsite.

100% Software Transparency

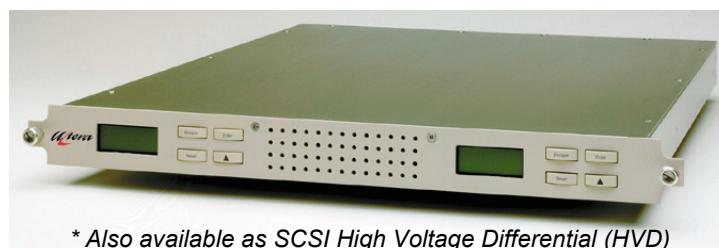
No software changes of any kind are required.
For current systems using tape the Imager 3 is plug and play with "ALL" existing tape backup software.

Windows 2000/NT GUI

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

Plug Compatibility

The Imager 3 controller is presented to the host as a single SCSI tape drive or tape library providing plug and play with host systems supporting SCSI-1, SCSI-2, or SCSI-3 tape protocols.



* Also available as SCSI High Voltage Differential (HVD)

Offline Operations

The “Imager 3” controller has built in hardware utilities for:

- Tape Copy
- Tape Compare
- Tape Verify
- Tape Drive Diagnostics
- “Self Test” Diagnostics

Operator Console

The front panel operator console features a 4 line by 20 character display and a 4 push button key pad.

STANDARD MODEL INFORMATION

- TM052 Controller board only
- TM852 5 1/4” Half Height internal packaging with front panel operator console
- TM1052 Low Profile Table Top external packaging with power supply and front panel operator console
- TM2152 Single Controller Board, 1U high 19” rackmount with power supply and front panel operator console
- TM2252 Dual Controller Board, 1U high 19” rackmount with 2 power supplies and 2 front panel operator consoles
- TLXXXX Library Option

Host Interface (Low Voltage Differential/Single-Ended)

The host interface provides connection between the Imager 3 mirroring controller and the SCSI host system. It conforms to the SCSI-3 protocol while maintaining compatibility to SCSI-1 and SCSI 2, 8/16 bit SCSI. Ultra2 LVD Wide synchronous transfer provides **80 MB/sec** burst data transfer rate.

Drive Interfaces (Low Voltage Differential/Single-Ended)

The drive interface provides two parallel SCSI channels between the Imager 3 mirroring controller and the tape drives. The 8/16 bit Ultra SCSI Fast synchronous transfers combined with wide transfers allows for maximum of **40 MB/sec** burst data rate. Compatible with SCSI-1, SCSI-2 and SCSI-3 devices. ALL major tape drives are supported.

GUI for Windows 2000/NT

Ultera offers an optional remote access Graphical User Interface program called *Ultimate* that runs under Windows 2000/NT. Running on the host system, *Ultimate* allows the user to remotely control and monitor up to 8 Ultera Tape Array subsystems.

DIMENSIONS

MODEL NUMBER	WIDTH	DEPTH	HEIGHT
Board	5.50”	7.80”	0.50”
5 1/4” Half Height	5.75”	9.20”	1.67”
Low Profile Table Top	9.75”	11.00”	2.50”
Rackmount	17.00”	24.00”	1.75”

ENVIRONMENT (EXCLUSIVE OF DRIVES)

POWER

Input Voltage	+5VDC, 10%
Supply Current	3.5A, 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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