ELECTRONIC VISIONS, INC.

Model SCSIMirror

SCSIMirror Benefits

Speed Enhancement

The SCSIMirror includes an Intel 486 / Pentium CPU with up to 1GB of local cache memory. Using the LRU algorithm, the systems appears as a super high-speed disk to the Host CPU. The caching subsystems dramatically improves overall system performance and also supports SCSI-1 & 2 FAST & Wide.

Drive Stacking

This feature allows a user to maximize the address-able disk space per SCSI ID. Multiple disk drives may be configured such that the logical address space is the sum of the physical drives.

Data Redundancy

Information is stored on multiple disk drives to prevent data loss (Mirroring). Mission Critical applications that require maximum availability of their data can use mirroring to protect against a physical disk drive failure.

Concurrent Backup

Mirrored SCSIMirror systems can perform an image back-up of a dropped mirror during normal host operation. Upon completion of the back-up, the mirrors are automatically re-synchronized.

Enhanced Error Recovery

When the SCSIMirror detects an error, recovery algorithms insure data integrity. Disk sector reallo-cation is performed transparent to the Host com-puter on both Reads and Writes.

Error Sniffer

A SCSIMirror background process which tests for proper disk drive function during idle periods. Detection of errors can be logged (e.g. PCM display and log disk) and media errors can be reallocated all without Host CPU intervention.

Protocol Conversions

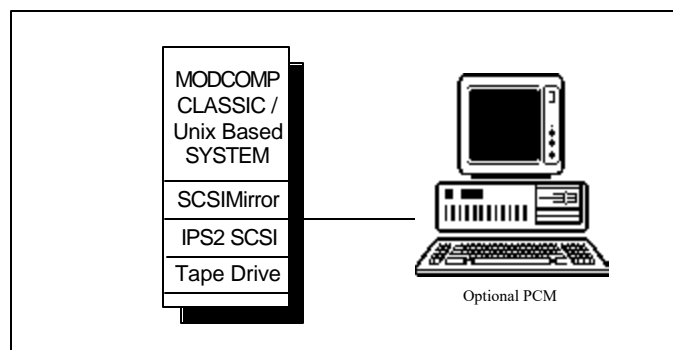Although SCSI is an ANSI standard, small varia-

Figure 1, Typical SCSIMirror Configuration

tions in the implementation can limit which peripher-als will work with a given Host CPU. The SCSIMirror can compensate for these variations.

Bypass OS Limits

Today hardware is progressing faster than Operat-ing System software. A SCSIMirror can allow you to connect a device which is not explicitly supported by your Operating System. Managing many of the low-level housekeeping functions can trick your OS into thinking that it is talking to a device that is supported.

Multi-SCSIMirror Architecture (MSA)

Multiple SCSIMirrors can be connected together in a variety of ways to facilitate special requirements. A SCSIMirror can optionally be multiported to different host computers. The host computers may be different types and each may be running the same or different operating system.

Performance & Control Monitor (PCM)

The PCM is a 486/windows based processor with multiple high speed intelligent serial ports. This optional device centralizes the control and monitor-ing of an array of SCSIMirrors. Configuration, performance, error logging and diagnostic proce-dures can be individually controlled on each SCSIMirror or tape drive from the PCM.

HARDWARE (SUPPLIED)

SCSIMirror:
Rack-mountable industrial computer equipped with a SCSI disk drive interface card.

HARDWARE (PREREQUISITES)

MODCOMP SCSI disk controller

Electronic Visions, Inc's products are of the highest quality and designed with the customers needs in mind. All products are delivered with a one year, return to factory warranty.

If you would like more information on this or any of the other products offered by Electronic Visions, Inc. please contact us at any of our offices listed.