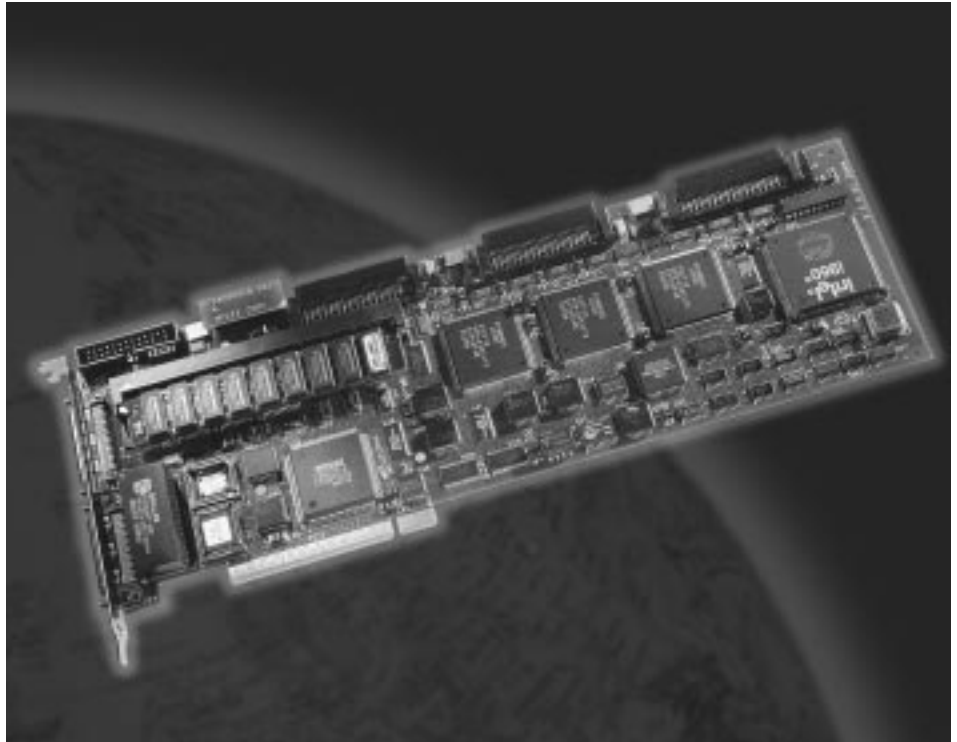


DAC960PD-Ultra PCI-to-Ultra SCSI FAST-20 Disk Array Controllers

- Global Array Manager*
 - For Monitoring and Managing Storage From Any Client
- Disconnect/Reconnect
 - Optimizes SCSI Efficiency
- Tagged Queuing
 - For Improved Multitasking and I/O Efficiency
- Scatter/Gather
 - Adds Command Efficiency
- Hot Standby Disk Support
 - Maximizes Fault Tolerance
- Automatic Sector Remapping
 - Defective Media is Recovered From and Corrected
- Automatic Failed Drive Detection and Transparent Disk Drive Rebuild
- Automatic Error Recovery
- User Definable Rebuild Priority
- Variable Stripe Width
 - Allows Tuning to Optimize CS and Application Performance
- Cache Battery Backup Option
 - Protects Unwritten Data in Cache During Power or System Failure
- Supports Smart-Capable Drives For Predictive Failure Analysis
- SAF-TE and AEMI Fault/Status Management
- Non-HDD Device Support
 - Allows Tape Drive or Optical Support on a SCSI Node



four times the data rate possible with standard Fast SCSI and twice that of standard Fast/Wide SCSI.

The DAC960PD-Ultra can detect a failed drive and rebuilds the replacement drive automatically.

CONTACT:

Mylex Corporation
 34551 Ardenwood Blvd.
 Fremont, CA 94555-3607
 Phone: (510) 796-6100
 FAX: (510) 745-8016 USA
 (510) 745-7521 International

For demanding server applications requiring the maximum disk I/O throughput, the DAC960PD-Ultra is the ideal storage solution. Mylex continues to give you high performance and reliability with the DAC960PD-Ultra PCI bus to Fast-20 (40 MB/s Ultra SCSI) disk array controller, the latest addition to the Mylex PCI RAID controller family.

EXCEPTIONAL FAULT TOLERANCE

The DAC960PD-Ultra gives you fault tolerant data availability through three independent SCSI channels, each capable of Fast-20 data rates of 40 MB/sec when using Fast-20 capable disk drives. This is

PREMIER PERFORMANCE

The DAC960PD-Ultra delivers unparalleled system performance, with Fast-20 drive support and 40 MB/sec data rates per channel. Up to 120 MB/sec bandwidth is achieved on a three channel version. Host CPU cycles for all RAID operations are minimized because the DAC960PD-Ultra performs all functions with the power of a high-performance 32-bit Intel i960® CF RISC processor. Up to 64 MB of intelligent, onboard, read-ahead and write-back cache assures maximum throughput performance.

SUPERIOR FLEXIBILITY

For the right mix of performance and fault-tolerance, RAID levels 0, 1, 5, 0+1 are supported and can be used concur-



rently on the same string of physical disk drives. The DAC960PD-Ultra has three independent SCSI channels, but one and two channel versions are also available. Up to four DAC960PD-Ultra controllers can be supported on a single host system PCI bus, with up to 15 SCSI drives per SCSI channel or 45 SCSI devices per controller.

SPECIFICATIONS

RAID Levels	0, 1, 5, 0+1
CPU	Intel i960® 32-bit RISC microprocessor
Cache	DRAM or EDRAM
Minimum	2 MB
Optional	4, 8, 16, 32 or 64 MB (8 MB maximum with EDRAM)
Write Options	Write-through or write-back per "logical array"
Onboard BIOS	Embedded in the firmware
Onboard Firmware	Flash EEPROM
PCI Bus Master	PCI burst mode up to 132 MB/sec Uses memory write and invalidate command
SCSI Controller	1, 2 or 3 SCSI channels (up to 40 MB per channel)

OPERATING SYSTEM SUPPORT

Novell NetWare 3.x, 4.x 7 SMP
 Windows NT 3.5x Advanced Server
 SCO UNIX 3.2.4, 5.0 & ODT
 IBM OS/2.x & 3.x
 UnixWare 2.0
 Banyan Vines 6.x
 Windows 3.x
 DOS 5.0 and above