

Media Input/Output Interface MIO-340

Features

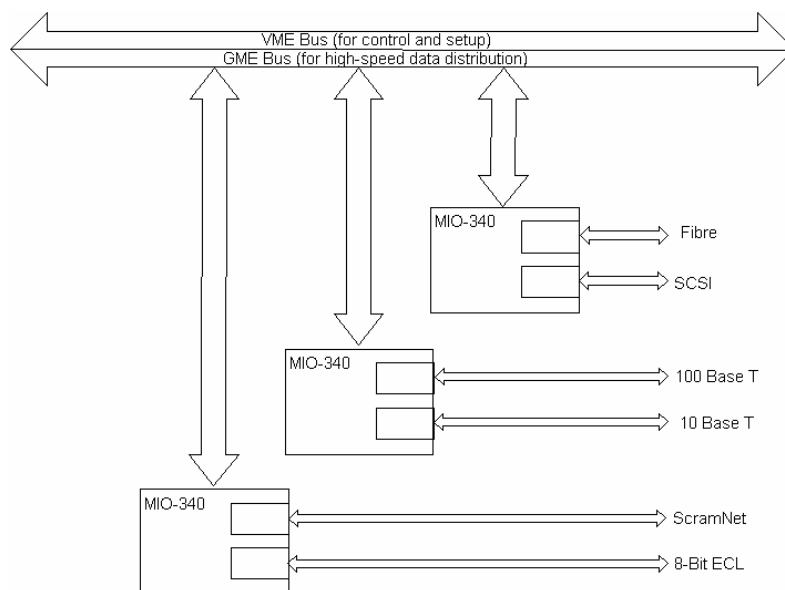
- Up to three Interfaces per System
- Selectable Channel Data Flow Assignment
- Parallel Differential 8-Bit Data Port/Ultra SCSI Port Routing
- High-performance Digital Peripheral and Instrumentation Device Recording
- Throughput to 300 Million Bits/Second
- Built-in Self-test and Status Monitoring



Introduction

The IMUX MIO is a mother/daughter card set designed to provide maximum bandwidth and maximum input/output flexibility. From RS-232 and 10-Base-T Ethernet interfaces to Ultra-Fast-Wide SCSI and Fibre Channel data paths, the Media Input/Output card set provides maximum flexibility in system configuration and operation. The MIO-340 card supports multiplexed, multichannel digital data distribution with full data and control interfaces for a wide range of digital devices. A MIO interface module supports an easy-to-use, "start it and forget it" mode of data capture operation with powerful tag management mode capabilities. High-speed parallel output buffers ensure consistent and continuous operation while maintaining data flow output under the most rigorous storage and communications needs.

Up to three MIO interfaces with two PMC interfaces each can be supported with the IMUX product.



The MIO has two PCI Mezzanine Card slots (PMC), which are compliant to IEEE-P1386 standards to provide maximum configuration versatility. This versatility has the potential to support a wide variety of multiplexed digital interfaces, including:

- Fibre Channel
- High-speed Serial and Parallel I/O
- PMC-to-PC Card Adapter
- Flash
- GPIB
- SCSI-2 Adapter
- FDDI, ATM, Ethernet, Fast Ethernet
- MIL-STD-1553 Bus Interface
- Solid-state Disk
- Modem

With the ability to support up to three MIO interfaces with two PMC interfaces each, users have the flexibility to support a wide variety of data processing requirements, such as:

Inputs	Sources	8- to 32-bit tag from GME bus
	Maximum Cards/System	Up to 3 per system
	Operating Card Range	Up to 512 Mbps
	Operating Range/System	Up to 512 Mbps
Processing	Tag Selection	8-bits, selectable and routable by tag content
	System Throughput	512 Mbps
Outputs	Qty	2
	Format	PCI mezzanine cards
	Rates	Up to 512 Mbps per card
	Standard	5V per IEEE P1386
	Data Sets	One set per MIO card
Electrical and Environmental	Form Factor	6U Versa Module Europe (VME), single slot
	Connectors	D-subminiatures
	Indicators	Active, FIFO overflow and block sync
	Operating Temperature	32 °F - 85 °F (0 °C - 50 °C)
	Storage Temperature	15 °F - 125 °F (-10 °C - 85 °C)
	Operating Altitude	0 to 10,000 feet (0 – 3100 meters)
	Storage Altitude	-1000 to 2000 feet (-300 to 6200 meters)
Humidity	20 to 95% noncondensing	
Ordering Information*	MIO-340-01	Media Input/Output Interface Module
	ENET-502-01	Ethernet MIO Module
	FIBR-501-01	Fibre Channel MIO Module
	SCSI-503-01	SCSI MIO Module

*Our product lines continue to grow. Please call our factory, for a current product list.