The Essential Multiplexer
Infinite Flexibility - One Fiber

Description
The Prizm™ Mini 4 Fiber Optic Multiplexer is a powerful, compact, flexible, intelligent and scalable telemetry tool that can be configured to meet any remote telemetry need.

Features
- Fully transparent Ethernet link
- Dedicated 100 Mbps Ethernet link
- Designed for operation in harsh environments (-20° to +65° Celsius)
- Custom configurations available

Benefits
- On a single fiber the Mini 4 supports:
  - Up to 16 Gbps of video and data, HD-Video, dual head high speed sonars, Gigabit Ethernet, tritech, responder triggers, serial data, analog signals and audio. Power consumption and heat dissipation are minimal.
  - PC104 size cards easily fit into the smallest vehicles. Mini4 I/O density sets a new standard for the market
  - Designed as building blocks, components of the Mini 4 product line can be assembled in any configuration that users require. Changes to configuration and upgrades are plug and play. Additionally, Mini 4 can accept any of the existing Prizm Mini Mux 2 daughtercards, (RS-232, RS-485 / 422, Ethernet, Audio) increasing flexibility and making upgrades of older systems cost effective.
  - Onboard system diagnostics with GUI interface report on the status of each channel of the Mini 4 board. Up to 16 Mini4 sub systems can be monitored simultaneously in real time.
  - Mini 4 can be used as a single board PC104 multiplexer and expanded as requirements change / A Mini 4 system can be expanded to support 16 Gbps of bidirectional video and data while accommodating high bandwidth sensors.

Typical Applications
- Terrestrial Robotics
Fiber Optic Multiplexer Modules

4-Port Gigabit Switch Ethernet Media Converter
Provides an elegant solution for converting twisted pair media to fiber optic media at up to 1 Gpbs.

Mini 4
Combines the best of our proven Mini Mux 2 and Video 3 technologies to provide an elegant solution for high density applications. The unit is a fully integrated fiber optic digital multiplexer / modem.

16-Port RS-232 Daughterboard
Provides 16 channels pair-wise isolated channels of RS-232 data.

Tritech Sonar / Trigger
Daughterboard provides a tritech sonar interface and 4 channels of isolated trigger / responder interfaces.

HD-SDI Interface Board
Supports HD TV / Video Camera via serial data interchange.

Dual High Speed Sonar Interface Board
Supports serial data interchange.

Modular and Scalable Architecture of Mini 4 System

24 / 7 Technical Customer Support
Hotline: 610-605-6101
Specifications and information are subject to change without prior notice.
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