

Fiber Optic Multiplexer Modules

MiniMux 2

Integrated Fiber Optic Multiplexer

Description

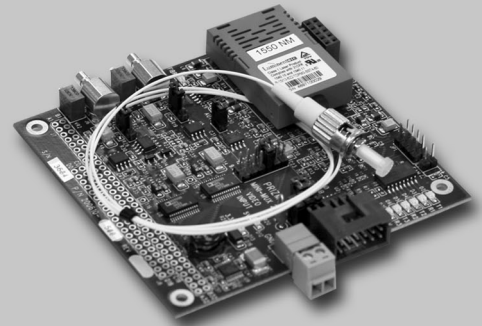
The Prizm™ MiniMux 2 provides an elegant solution for limited space applications. The unit is a fully integrated fiber optic digital multiplexer / modem.

Features

- Fully transparent video and data link
- Up to 2 video channels, 7 data channels and a 10Base-T Ethernet link
- Designed for operation in harsh environments (-20° to +70° Celsius)
- Custom configurations available
- LED's provide on-board diagnostics

Benefits

- The lightweight and compact PC-104 card format allows the user to integrate the MiniMux 2 with an existing control system or other communications solution.
- The MiniMux 2 unit can be provided as an OEM PC-104 board or in a 19" 1 U high rack mountable enclosure. Custom daughter boards provide maximum interface flexibility.
- The MiniMux 2 is available in single and dual fiber solutions, with singlemode or multimode fiber. Daughter boards add Ethernet and additional data channels.



Typical Applications

- Terrestrial Robotics

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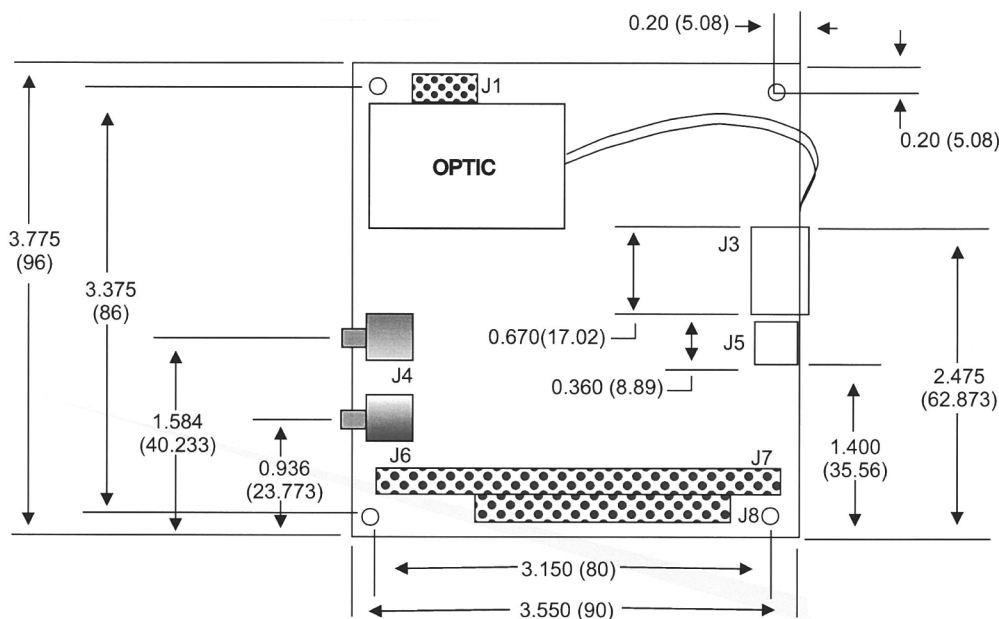
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Specifications

Video	
Format	2 NTSC / PAL compliant
Quantization	10 Bits @ 16.67 Mhz sampling
SNR	> 60 db
Bandwidth	6.0 Mhz
Input Signal	+ / - 1 V p-p max, 75 ohms
Optical	
Fiber	Single or multimode
	Single fiber option available
Link Rate	622 Mbaud
Optical Budget	1550 nm - 26 db typical
	1310 nm - 22 db typical
Data	
RS-232	2 bidirectional up to 115 baud
RS-422 / 485	Bidirectional
	RS-422 up to 10 Mbaud
	RS-485 up to 230 Kbaud
Supply	
Voltage	+5 VDC (other options available)
Power	5 watts max

Daughterboards <i>(more options now available)</i>	
A	10Base-T Ethernet channels
	4 Bidirectional RS-232 channels up to 115 kbaud
B	4 Bidirectional, fully isolated RS-422 / 485 channels
C	4 Bidirectional, fully isolated RS-232 channels
D	Custom configuration upon request
Environmental	
Operating Temperature	-20° to +70° Celsius
Storage Temperature	-40° to +85° Celsius
Relative Humidity	Up to 90% non-condensing
Mechanical Connectors	
Optical	ST or SC
Video	SMB (J4 and J6)
Data	10-pin header (J3)
Power	2-pin Phoenix
Daughter Card I / O	8-pin header (J1)

Mechanical Information



Dimensions in inches.

24 / 7 Technical Customer Support
Hotline: 610-605-6101

Specifications and information are subject to change without prior notice.
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