

**482
SERIES
MULTIMODE
SINGLEMODE**

**Dual Channel Multi-Protocol Transmission System
Supports RS485, RS422, RS232, and Manchester/Bosch**



FEATURES:

- Two Switch Selectable Multi-Protocol Data Channels
- Diagnostic Indicators: DC Power, Data Activity, and Optical Presence
- Switch Selectable Terminations
- DC to 115 Kb/s
- One Fiber or Two Fiber Configurations
- Available with Enhanced "Afinety" Intelligent Monitoring System

SPECIFICATIONS:

Data:

Choice of: RS485 (2 or 4 Wire), RS422, RS232, or Manchester/Bosch
 Format.....Asynchronous
 Data Rate..... DC to 115Kbit/s
 Connector.....Terminal Block

Optical:

Wavelength:
 Single Fiber1310/1550 nm
 Dual Fiber1310 nm
 Loss Budget:
 482 Series (62.5/125µ).....18 dB
 482SL Series (9/125µ).....21 dB
 Connector..... SC

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

Module - 12 VDC (AFI Part #: PS-12D)
 Power Consumption2 Watts
 Rack Card (See AFI Part #: SR-20D/2)
 Power Consumption2 Watts

Size:

Module - 8 1/8" x 4 1/8" x 1 1/8"
 Rack Card - 6 1/2" x 1" x 5"

ORDERING INFORMATION:

Multimode Dual Fiber Information:

MX-482 = Module Transceiver
 RX-482 = Rack Card Transceiver

Multimode Single Fiber Information:

Ordering Note:

One end of link must have 1310 nm TX, the other end must have 1550 nm TX

MTX-482 = Module Xcvr, 1310 nm TX
 RTX-482 = Rack Card Xcvr, 1310 nm TX
 MRX-482 = Module Xcvr, 1550 nm TX
 RRX-482 = Rack Card Xcvr, 1550 nm TX

Singlemode Single Fiber Information

Ordering Note:

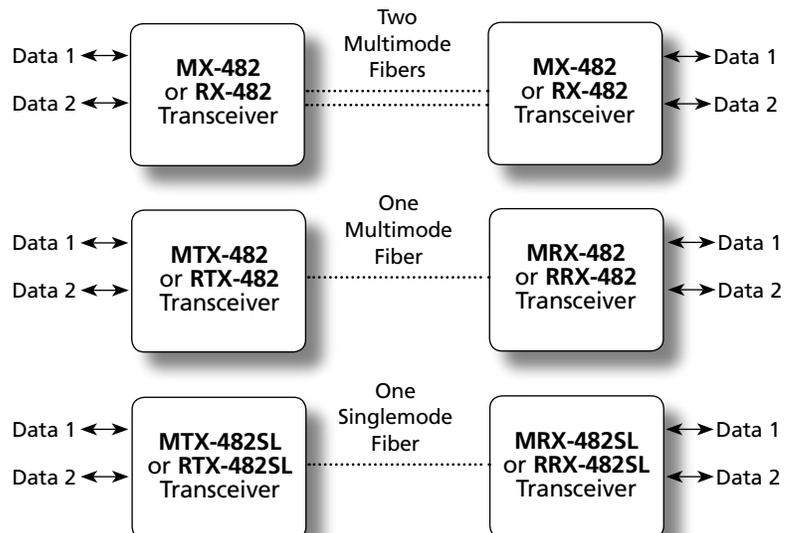
One end of link must have 1310 nm TX, the other end must have 1550 nm RX

MTX-482SL = Module Xcvr, 1310 nm TX
 RTX-482SL = Rack Card Xcvr, 1310 nm TX
 MRX-482SL = Module Xcvr, 1550 nm TX
 RRX-482SL = Rack Card Xcvr, 1550 nm TX



The American Fibertek 482 Series transmits two channels of multi-protocol bi-directional data on one or two multimode optical fibers. The American Fibertek 482SL Series transmits two channels of multi-protocol bi-directional data on one singlemode optical fiber. The system is comprised of two transceivers forming a point-to-point communications link. Available switch selectable data formats include: RS485 (2 or 4 wire), RS422, RS232, and Manchester/Bosch. The system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. **The "Afinety" intelligent remote monitoring system is available on this product, please consult factory.**

Equipment may be ordered as stand alone modules or rack cards that are mounted in SR-20D/2 or SR-20R/1 American Fibertek Card Cages.



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