

## RS485/RS422 Data System - Two Channels

### FEATURES:

- ◆ RS485 Two Channels 2 wire or 4 Wire Interfaces
- ◆ Switch Selectable 2W or 4W, Terminations and Line Bias
- ◆ DC to 115 Kb/s
- ◆ Activity Indicators for Data Tx and Rx for each Channel
- ◆ Only One Fiber Required
- ◆ Hot Swappable

### SPECIFICATIONS:

#### RS485:

Data Rate: ..... DC to 115 Kb/s  
Connector ..... Terminal Blocks

#### OPTICAL:

Wavelength:..... 1310/1550 nm  
Source: ..... Laser  
Loss Budget (62/125 u) ..... >12 dB  
Connector: ..... ST

#### POWER:

Voltage ..... 12 VDC  
Current ..... < 350mA  
Connector..... 2 Pin Terminal Block

#### Power Supply:

Module 12VDC (AFI Part #: PS-12)  
Rack Card (AFI Part #: SR-20/2)

#### PHYSICAL:

Temperature..... -20 to 70 °C  
Humidity ..... 5 to 95 %

#### Size:

Module ..... 4¼" x 4¼" x 1⅛"  
Rack Card - One Slot 6½" x 5" x 1"



The American Fibertek 487 Series transmits and receives two channels of RS485 data (2 wire or 4 wire user configurable) or RS422 data or 1 of each over a single multimode optical fiber. The system is comprised of two transceivers forming a point-to-point communications link. The system is designed to be completely transparent to data protocol. For ease of installation, diagnostic indicators provide a quick visual indication of system status. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/1, SR-20/2 or SR-20R/1.

### ORDERING INFORMATION:

MTX-487 = One Fiber Module Multimode ST Connectors 1310nm Tx  
MRX-487 = One Fiber Module Multimode ST Connectors 1550nm Tx  
RTX-487 = One Fiber Rack Card Multimode ST Connectors 1310nm Tx  
RRX-487 = One Fiber Rack Card Multimode ST Connectors 1550nm Tx