

One Multi-Protocol Data Channel (RS485/RS422/RS232/Manchester) & One Bi-directional Contact Closure System

FEATURES:

- ◆ Low Profile Module
- ◆ Multi-protocol Data – switch selectable as RS-485 (2 or 4 wire), RS-422, RS-232 or Manchester
- ◆ DC to 115 Kb/s
- ◆ Normally Open Contact
- ◆ LED Indicators for Contact/Data Tx, Contact/Data Rx and Optical Level
- ◆ Singlemode Version Available

SPECIFICATIONS:
DATA:

Interface.....Selectable Multi-protocol
Choice of: RS-485 (2 or 4 wire),
RS-422,
RS-232, or
Manchester Code

Format.....Asynchronous
Rate.....DC to 115 Kbit/s
Connector.....Terminal Block

CONTACT:

Contact Output Closure Rating
- 0.5 A Max.
-100 Volt DC or Peak AC
Response Time.....2 ms
Connector.....5 Pin Terminal Block

OPTICAL:

Wavelength:.....1310/1550 nm
Source:Laser
Loss Budget (62/125u).....15 dB
Connector:.....SC/ST

POWER:

Voltage.....12 VDC
Current.....200 mA
Connector.....2 Pin Terminal Block

POWER SUPPLY:

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

PHYSICAL:

Temperature-40 °C to 75 °C
Humidity.....5 % to 95 %

SIZE:

Module8^{1/8"} x 4^{1/8"} x 1^{1/8"}
Rack Card - One Slot.... 6^{1/2"} x 5" x 1"



The American Fibertek 459 Series simultaneously transmits and receives one multiprotocol data channel and one contact channel over one or two multimode optical fibers. The data channel is designed to be completely transparent to data protocol and can be configured as RS-485 (2 wire or 4 wire), RS-422, RS-232 or Manchester Code.

The system is comprised of two transceivers forming a point-to-point communications link. 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-20/2 or SR-20H/2 (with redundancy).

ORDERING INFORMATION:

MTX-459 = One Fiber Module Multimode SC Connectors 1310nm Tx
MRX-459 = One Fiber Module Multimode SC Connectors 1550nm Tx
RTX-459 = One Fiber Rack Card Multimode SC Connectors 1310nm Tx
RRX-459 = One Fiber Rack Card Multimode SC Connectors 1550nm Tx

MX-459 = Two Fiber Module Multimode SC Connectors 1310nm Tx
RX-459 = Two Fiber Rack Card Multimode SC Connectors 1310nm Tx

To order units with ST Connectors :
Add -ST to the part number such as MTX-459-ST