

## 10/100/1000Base-T to 1000Base-SX/LX Ethernet Media Converter / 3 Port Switch

### FEATURES:

- ◆ Complete Fiber Optic to Twisted Pair Media Interface
- ◆ Auto MDI / MDIX Detection
- ◆ Auto Negotiate 10/100 Ports
- ◆ Auto Negotiate 10/100 Ports
- ◆ Link and Activity Indicators for UTP and Fiber Ports
- ◆ Singlemode and Multimode Fiber Versions Available

### SPECIFICATIONS:

#### Ethernet:

Data Rate:

Auto negotiated..... 10/100/1000 Mb/s

Connector ..... RJ45

#### Optical:

One Fiber..... 1310/1550 nm

Two Fiber

-SX.....850 nm

-LX..... 1310 nm

Distance/Loss Budget

SX

-62/125u.....220 m

-Loss Budget ..... 7 dB

LX

-62/125u.....550 m

-Loss Budget ..... 10 dB

Connector ..... SC,ST

#### Power:

Voltage..... 12 VDC

Current..... 500 mA

Connector .....2 Pin Terminal Block

#### Power Supply:

Module:.... 12VDC(AFI Part #: PS-12D+)

Rack Card: ..... (AFI Part #: SR-20/2)

#### Environmental:

Temperature ..... -40 °C to +75 °C

Humidity..... 5 % to 95 %

#### Size:

Module.....4¼" x 4¼" x 1⅛"

Rack Card One Slot.....6½" x 1" x 5"



The American Fibertek 48 Series transmits and receives (2) copper 10/100/1000 BaseT Ethernet signals at the RJ45 ports and (1) optical 1000 Base-X over 1 or 2 multimode fibers. The system is comprised of two units forming a point-to-point communications link.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100/1000 BaseT). Auto MDI/MDIX operation eliminates the potential need for crossover cables. 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 Cage: SR-20/2

### ORDERING INFORMATION:

|              |  |
|--------------|--|
| MX-48-SX-AA  | Two Fiber Module SX Multimode                |
| RX-48-SX-AA  | Two Fiber Rack Card SX Multimode             |
| MX-48-LX-AA  | Two Fiber Module LX Multimode                |
| RX-48-LX-AA  | Two Fiber Rack Card LX Multimode             |
| MTX-48-LX-AA | One Fiber Module Transmitter LX Multimode    |
| MRX-48-LX-AA | One Fiber Module Receiver LX Multimode       |
| RTX-48-LX-AA | One Fiber Rack card Transmitter LX Multimode |
| RRX-48-LX-AA | One Fiber Rack card Receiver LX Multimode    |

Replace AA with ST or SC to specify the desired optical connector