

## 10/100Base-T to 100Base-FX Ethernet Media Converter / 3 Port Switch

### FEATURES:

- ◆ Complete Fiber Optic to Twisted Pair Media Interface
- ◆ Auto MDI / MDIX Detection
- ◆ 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 Mbs  
Connector .....RJ45

#### Optical:

Two Fiber ..... 1310 nm  
One Fiber ..... 1310/1550 nm  
Source:

Multimode Two Fiber ..... LED  
Multimode One Fiber ..... Laser  
Distance

FX 62/125u ..... 2 km  
Loss Budget .....11 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 46 Series transmits and receives (2) copper 10/100 BaseT Ethernet signals at the RJ45 ports and (1) optical 100 Base-FX 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 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-46-FX-AA	Two Fiber Module FX Multimode
RX-46-FX-AA	Two Fiber Rack Card FX Multimode
MTX-46-FX-AA	One Fiber Module Transmitter FX Multimode
MRX-46-FX-AA	One Fiber Module Receiver FX Multimode
RTX-46-FX-AA	One Fiber Rack card Transmitter FX Multimode
RRX-46-FX-AA	One Fiber Rack card Receiver FX Multimode

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