



**46-FX
SERIES
MULTIMODE**

10/100/1000BASE-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 10/100/1000 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 Mbs
ConnectorRJ45

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 Budget11 dB
Connector SC, ST

Power:

Voltage 12 VDC
Current..... 500 mA
Connector2 Pin Terminal Block

Power Supply:

Module:.....12VDC (AFI Part #: PS-12D+)
Rack Card:.....(AFI Part #: SR-50/5)

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 10/100/1000BASE-T 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 feature which automatically configures the unit for the correct speed (10/100/1000BASE-T). 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-50/5

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