



**46-FX-SL
SERIES
SINGLEMODE**

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 Mb/s
ConnectorRJ45

Optical:

One Fiber..... 1310/1550 nm
Two Fiber..... 1310 nm
Distance (9/125um) 20 km
FX 9/125u 20 km
Loss Budget.....20 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-20/2)

Environmental:

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

Size:

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



The American Fibertek 46SL 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 singlemode 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 (10/100/1000BASE-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-20/2

ORDERING INFORMATION:

- MX-46-FX-SL-AA Two Fiber Module FX Singlemode
- RX-46-FX-SL-AA Two Fiber Rack Card FX Singlemode
- MTX-46-FX-SL-AA One Fiber Module Transmitter FX Singlemode
- MRX-46-FX-SL-AA One Fiber Module Receiver FX Singlemode
- RTX-46-FX-SL-AA One Fiber Rack card Transmitter FX Singlemode
- RRX-46-FX-SL-AA One Fiber Rack card Receiver FX Singlemode

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

7/26/18 JPM