



**50-FX
SERIES
MULTIMODE**

**(2) 10/100 Base-T & (2) 100Base-FX
Ethernet 4 Port Switch / Drop & Repeat Transceiver**

FEATURES:

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

SPECIFICATIONS:

Ethernet:

Data Rate
Auto negotiated 10/100 Mb/s
ConnectorRJ45

Optical:

-One Fiber 1310/1550 nm
-Two Fiber 1310 nm
Loss Budget 11 dB
Distance.....2 Km
Connector.....SC, ST

Power:

Voltage 12 VDC
Current..... < 500 mA
Connector.....2 Pin Terminal Block

Power Supply:

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

Physical:

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

Size:

Module..... 4¼" x 4¼" x 1⅛"



The American Fibertek 50 Series transmits and receives (2) copper 10/100 BaseT Ethernet signals at the RJ45 ports and (2) optical 100 Base-FX over 1 or 2 multimode fibers. The system is comprised of two or more units forming a communications link.

The system is designed to be completely transparent with auto negotiation features which automatically configure the unit for the correct speed (10/100BaseT). Auto MDI/MDIX operation eliminates the potential need for crossover cables. Diagnostic indicators provide a quick visual indication of system status.

ORDERING INFORMATION:

MX-50-FX-1F-SC	One Fiber/Port Module FX Multimode SC Connector
MX-50-FX-1F-ST	One Fiber/Port Module FX Multimode ST Connector
MX-50-FX-SC	Two Fiber/Port Module FX Multimode SC Connector
MX-50-FX-ST	Two Fiber/Port Module FX Multimode ST Connector

03/14/11JPK



**RX-50
SERIES
MULTIMODE**

10/100 Base-T to 100 Base-FX Ethernet Media Converter / 4 Port Switch

FEATURES:

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

SPECIFICATIONS:

Ethernet:

Data Rate
Auto negotiated 10/100 Mb/s
ConnectorRJ45
PoE (2 RJ45 ports)..... 802.3af

Optical:

One Fiber..... 1310/1550 nm
Two Fiber..... 1310 nm
Source:
Multimode Two Fiber LED
Multimode One Fiber..... Laser
Distance
FX 62/125u 2 km
Loss Budget11 dB
Connector SC, ST

Power:

Voltage 48 VDC
Current..... 200 mA
Connector2 Pin Terminal Block

Power Supply:

Module: 48VDC, 60W
(AFI Part #: PS-48V-60W)

Environmental:

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

Size:

Rack Card One Slot.....6½" x 1" x 5"

ORDERING INFORMATION:

RX-50-FX-AA Two Fiber Per Port Rackcard
RRX-50-FX-AA One Fiber Per Port Rackcard

Replace AA with ST or SC to specify the desired optical connector
10/11/11



The American Fibertek RX-50 Series transmits and receives (2) copper 10/100 Base-T Ethernet signals at the RJ45 ports and (2) optical 100 Base-FX at the fiber ports. Both single fiber and dual fiber versions of the optics are available.

A single rackcard unit is capable of connecting up to (2) Series MX/MTX-46 (see separate datasheet) modules which provides the benefit of reducing the number of rackcards and corresponding subrack space and power supplies.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100 Base-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

