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50SL SERIES SINGLEMODE

(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
Connector RJ45

Optical:
-One Fiber ....1310/1550 nm
-Two Fiber......................... 1310 nm
Loss Budget........................... 20 dB
Distance.................................20 km
Connector .... ….SC, ST

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

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

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

Size:
Module ....4¼" x 4¼" x 1⅛"
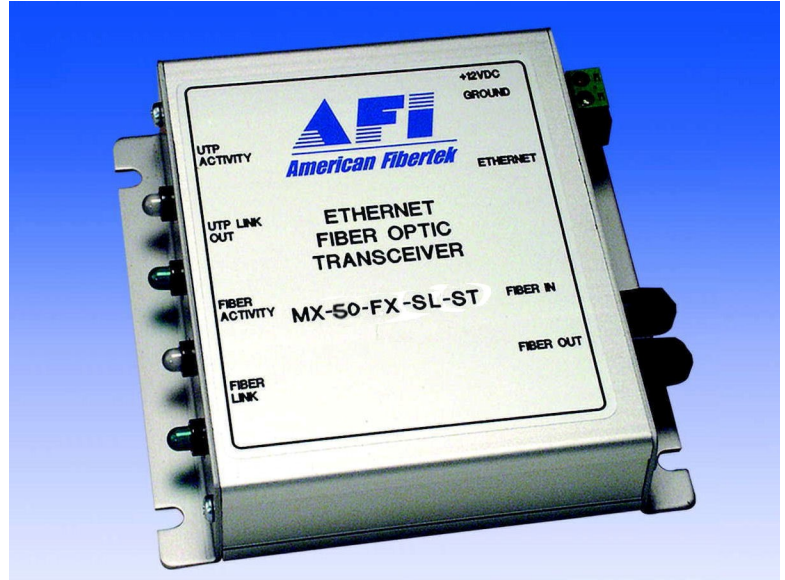
The American Fibertek Series 50SL transmits and receives (2) copper 10/100 Base-T Ethernet signals at the RJ45 ports and (2) optical 100 Base-FX over 1 or 2 singlemode fibers. The system is comprised of two or more units forming a communications link.

The system is designed to be completely transparent with auto negotiation features which automatically configure the unit for the correct speed (10/100 Base-T). 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-SL-1F-SC	One Fiber/Port Module FX Singlemode SC Connector
MX-50-FX-SL-1F-ST	One Fiber/Port Module FX Singlemode ST Connector
MX-50-FX-SL-SC	Two Fiber/Port Module FX Singlemode SC Connector
MX-50-FX-SL-ST	Two Fiber/Port Module FX Singlemode ST Connector

03/14/11 JPK

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10/100 Base-T to 100 Base-FX Ethernet Media Converter / 4 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 Mb/s
Connector RJ45

Optical:
One Fiber .... 1310/1550 nm
Two Fiber .... 1310 nm
Source .... Laser
Distance
  FX 9/125u .... 20 km
Loss Budget .... 20 dB
Connector .... SC, ST

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

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

7/1/12JPK

The American Fibertek Series 50-FX-SL transmits and receives (2) copper 10/100/1000 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-FX-SL (refer to separate datasheet) modules which provides the benefit of reducing the number of rackcards and corresponding subrack space and power supplies. The (2) RJ45 ports afford the opportunity to daisy chain across multiple receiver's which reduces the number of switch ports needed to connect onto the network.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100/1000 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