10/100/1000Base-T to 1000Base-LX Ethernet Media Converter / 3 Port Switch

48-LX-SL SERIES
SINGLEMODE

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
Connector RJ45

Optical:
One Fiber.....1310/1550 nm
Two Fiber.....1310 nm
Distance
LX 9/125u ..... 10 km
Loss Budget .....10 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 48SL Series transmits and receives (2) copper 10/100/1000Base-T Ethernet signals at the RJ45 ports and (1) optical 1000 Base-X 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 an 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-48-LX-SL-AA	Two Fiber Module LX Singlemode
RX-48-LX-SL-AA	Two Fiber Rack Card LX Singlemode
MTX-48-LX-SL-AA	One Fiber Module Transmitter LX Singlemode
MRX-48-LX-SL-AA	One Fiber Module Receiver LX Singlemode
RTX-48-LX-SL-AA	One Fiber Rack card Transmitter LX Singlemode
RRX-48-LX-SL-AA	One Fiber Rack card Receiver LX Singlemode

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

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