



**46SL-PoE+
SERIES
SINGLEMODE**

10/100 Base-T to 100 Base-FX Ethernet Media Converter / 3 Port Switch with PoE+

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
- ◆ Power Over Ethernet on Both Ports

SPECIFICATIONS:

Ethernet:

Data Rate
 Auto negotiated 10/100 Mb/s
 Connector RJ45
 PoE (2 RJ45 ports) 802.3af
 PoE (2 RJ45 port) 802.3at

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

Power:

Voltage 48 VDC
 Current 200 mA
 Connector 2 Pin Terminal Block

Power Supply:

Module: 48VDC @ 60W
 AFI Part #: PS-48V-60W-1
 (Sold separately)

Environmental:

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

Size:

Module 4 1/4" x 4 1/4" x 1 1/8"



The American Fibertek 46SL-PoE+ Series transmits and receives (2) copper 10/100/1000 Base-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 46SL-PoE+ Series sources power to devices from the RJ45 ports over the copper connection. Both RJ45 ports may be used to deliver low power 802.3af (15 watts) or 802.3at (30 watts) to PD powered devices. An external PS-48V-60W-1 power supply is required.

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.

ORDERING INFORMATION:

- MTX-46-FX-SL-SC-PoE+ One Fiber Module Transmitter FX Singlemode SC Connector
- MTX-46-FX-SL-ST-PoE+ One Fiber Module Transmitter FX Singlemode ST Connector
- MX-46-FX-SL-SC-PoE+ Two Fiber Module FX Singlemode SC Connector
- MX-46-FX-SL-ST-PoE+ Two Fiber Module FX Singlemode ST Connector

PS-48V-60W-1 48 Volt 60 Watt Power Supply

The PoE module is typically used only at the system edge (to power the camera etc.). The mating unit would then be the non PoE version of the product which is available in module or rack card packages.

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