



**46-PoE
SERIES
MULTIMODE**

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
- ConnectorRJ45
- PoE (2 RJ45 ports)..... 802.3af
- PoE (1 RJ45 port)..... 802.3at

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
(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 46-PoE Series transmits and receives (2) copper 10/100 Base-T Ethernet signals at the RJ45 ports and (1) optical 100 Base-FX over 1 or 2 multimode fibers. The system is comprised of two units forming a point-to-point communications link.

The 46-PoE Series sources power to devices from the RJ45 ports over the copper connection. Both RJ45 ports may be used to deliver 802.3af (15 watts) to devices. A single RJ45 port is used to deliver high power 802.3at (30 watts) to a single device. An external PS-48V-60W power supply is required for the PoE module.

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:

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|------------------|--|
| MTX-46-FX-SC-PoE | One Fiber Module Transmitter FX Multimode SC Connector |
| MTX-46-FX-ST-PoE | One Fiber Module Transmitter FX Multimode ST Connector |
| MX-46-FX-SC-PoE | Two Fiber Module FX Multimode SC Connector |
| MX-46-FX-ST-PoE | Two Fiber Module FX Multimode ST Connector |
| PS-48V-60W | 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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