afi

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 (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 Budget .... 11 dB
Connector .... SC, ST

Power:
Voltage .... 48 VDC
Current .... 200 mA
Connector .... 2 Pin Terminal Block

Recommended Power Supply:
48VDC @ 30W (Sold separately)

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

Size:
Module .... 4¼" x 4¼" x 1⅛"

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 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:
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

POWER SUPPLY:
PS-48D	Universal Input to 48V 30W Output 0 to 50°C
PS-4830	Universal Input to 48V 30W Output -40 to 75°C

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.

10/23/12 JPM