(2) 10/100 Base-T & (2) 100Base-FX Ethernet 4 Port Switch / Drop & Repeat Transceiver with PoE

50-PoE SERIES
MULTIMODE

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
- 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
Loss Budget ..... 11 dB
Distance ..... 2 Km
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
(Sold separately)

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

Size:
Module ..... 4¼" x 4¼" x 1⅛"

9/26/12JPM

The American Fibertek 50-PoE Series 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 multimode fibers. The system is comprised of two or more units forming a communications link.

The 50-PoE Series also 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) 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 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-1F-SC-PoE	One Fiber/Port, Module FX Multimode SC Connector
MX-50-FX-1F-ST-PoE	One Fiber/Port, Module FX Multimode ST Connector
MX-50-FX-SC-PoE	Two Fiber/Port, Module FX Multimode SC Connector
MX-50-FX-ST-PoE	Two Fiber/Port, 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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