

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

### 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 (2 RJ45 ports) ..... 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-1

(Sold separately)

#### Environmental:

Temperature ..... -40 °C to +75 °C

Humidity ..... 5 % to 95 %

#### Size:

Module ..... 4¼" x 4¼" x 1⅛"



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) 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 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-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.