# afi

## (2) 10/100/1000Base-T & (2) 1000Base-LX 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 10/100/1000 Ports
♦ Link and Activity Indicators for UTP and Fiber Ports
♦ Singlemode and Multimode Fiber Versions Available

### SPECIFICATIONS:
**Ethernet:**
Data Rate
Auto negotiated.......... 10/100/1000 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
Distance
  LX 9/125u .................................. 10 km
Loss Budget ................................ 10 dB
Connector .................................. SC, ST

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

### Recommended Power Supply:
48VDC @ 60W (Sold separately)

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

**Size:**
Module ........................…4¼" x 4¼" x 1⅛"



The American Fibertek 49SL-PoE+ Series transmits and receives (2) copper 10/100/1000 Base-T Ethernet signals at the RJ45 ports and (2) optical 1000 Base-X over 1 or 2 singlemode fibers. The system is comprised of two or more units forming a communications link.

The 49SL-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 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 (10/100/1000 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-49-LX-SL-SC-PoE+ | Two Fiber/Port, Module LX Multimode SC Connector |
| MX-49-LX-SL-1F-SC-PoE+ | One Fiber/Port, Module LX Multimode SC Connector |
| MX-49-LX-SL-ST-PoE+ | Two Fiber/Port, Module LX Multimode ST Connector |
| MX-49-LX-SL-1F-ST-PoE+ | One Fiber/Port, Module LX Multimode ST Connector |

### POWER SUPPLY:
| | |
|---|---|
| PS-4860 | Universal Input to 48V 60W 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