



**48-ZX-PoE+
SERIES
SINGLEMODE**

10/100/1000Base-T to 1000 Base-ZX Ethernet Media Converter / 3 Port Switch with PoE+

FEATURES:

- ◆ Complete Fiber Optic to Twisted Pair Media Interface
- ◆ Auto MDI / MDIX Detection
- ◆ Auto Negotiate 10/100/1000 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 ... 10/100/1000 Mb/s
ConnectorRJ45
PoE (2 RJ45 ports)..... 802.3af
PoE (2 RJ45 ports)..... 802.3at

Optical:

One Fiber..... 1490/1550 nm
Two Fiber.....1550nm
Distance
ZX 9/125u 70 km
Loss Budget24 dB
ConnectorSC

Power:

Voltage 48 VDC
Current..... 200 mA
Connector2 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.....4 1/4" x 4 1/4" x 1 1/8"



The American Fibertek 48ZX Series transmits and receives (2) copper 10/100/1000Base-T Ethernet signals at the RJ45 ports and (1) optical 1000 Base-ZX over 1 or 2 singlemode fibers up to a distance of 70 km. The system is comprised of two units forming a communications link.

The Series 48-ZX-PoE+ Series 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 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:

- MTX-48-ZX-SL-SC-PoE+ One Fiber Module Transmitter LX Singlemode SC Connector
- MTX-48-ZX-SL-ST-PoE+ One Fiber Module Transmitter LX Singlemode ST Connector
- MX-48-ZX-SL-SC-PoE+ Two Fiber Module LX Singlemode SC Connector
- MX-48-ZX-SL-ST-PoE+ Two Fiber Module LX Singlemode 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.

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