



**(2) 10/100/1000Base-T & (2) 1000Base-ZX  
Ethernet 4 Port Switch / Drop & Repeat Transceiver**

**FEATURES:**

- ◆ Complete Fiber Optic to Twisted Pair Media Interface
- ◆ Drop and Repeat Capability
- ◆ Auto MDI / MDIX Detection
- ◆ Link and Activity Indicators for UTP and Fiber Ports
- ◆ Singlemode Fiber
- ◆ Triple Speed Copper Ports

**SPECIFICATIONS:**

**Ethernet:**

Data Rate  
Auto negotiated ... 10/100/1000 Mb/s  
Connector .....RJ45

**Optical:**

One Fiber..... 1490/1550 nm  
Two Fiber.....1550nm  
Distance  
ZX 9/125u ..... 70 km  
Loss Budget .....24 dB  
Connector .....SC/ST

**Power:**

Voltage ..... 12 VDC  
Current..... < 500 mA  
Connector .....2 Pin Terminal Block

**Power Supply:**

Module: 12VDC (Part #: PS-12D+)

**Environmental:**

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

**Size:**

Module.....4¼" x 4¼" x 1⅛"



The American Fibertek 49ZX Series transmits and receives (2) copper 10/100/1000 BaseT Ethernet signals at the RJ45 ports and (2) optical 1000 Base-ZX over 1 or 2 singlemode fibers up to a distance of 70 km. The system is comprised of two or more units forming a communications/repeater link.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100/1000 BaseT). 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-ZX-1F-SC One Fiber/Port, Module, Singlemode, SC Connector  
MX-49-ZX-SC Two Fiber/Port, Module, Singlemode, SC Connector  
ST Connector : Replace SC with ST in the above part number

