



**49-ZX-PoE-HP  
SERIES  
SINGLEMODE**

**(2) 10/100/1000Base-T & (2) 1000Base-ZX Ethernet  
4 Port Switch / Drop & Repeat Transceiver with 60W PoE**

“Approved for AXIS Q6032-E PTZ Dome Network Camera”

**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 Fiber
- ◆ Power (60 Watts) Over Ethernet on 1 Port
- ◆ Two RJ45 Data Ports Available
- ◆ Extended Temperature Range

**SPECIFICATIONS:**

**Ethernet:**

Data Rate  
Auto negotiated..... 10/100/1000 Mb/s  
Connector ..... RJ45  
PoE (1 port) .....60 Watts

**Optical:**

One Fiber..... 1490/1550 nm  
Two Fiber.....1550nm  
Distance  
ZX 9/125u ..... 70 km  
Loss Budget ..... 24 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.....4.3" x 4.3" x 1.2"  
Power Supply..... 4.6" x 3.6" x 1.6"



The American Fibertek 49-ZX Series transmits and receives (2) copper 10/100/1000Base-T 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 units forming a communications link.

The 49-ZX-PoE-HP Series also sources up to 60 Watts of power to an Ethernet powered device (PD) from one RJ45 port. The power is carried over all 4 pairs of the Ethernet cable. However, it is required that the PD have independent discovery and classification interfaces for both the data pair and the spare pair of the Ethernet cable.

Both RJ45 ports may be used to deliver Ethernet data to 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-ZX-SC-PoE-HP	Two Fiber/Port, Module ZX Singlemode SC Connector
MX-49-ZX-1F-SC-PoE-HP	One Fiber/Port, Module ZX Singlemode SC Connector
MX-49-ZX-ST-PoE-HP	Two Fiber/Port, Module ZX Singlemode ST Connector
MX-49-ZX-1F-ST-PoE-HP	One Fiber/Port, Module ZX Singlemode 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.