



**MX-6p-
FX-PoE-HP
SERIES**

**(4) 10/100Base-TX & (2) 100Base-FX SFP
Ethernet 6 Port Switch with High Power PoE (60W)**

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

FEATURES:

- ◆ Complete Fiber Optic to Twisted Pair Media Interface
- ◆ Auto MDI / MDIX Detection
- ◆ Link and Activity Indicators for UTP and Fiber Ports
- ◆ SFP Optical and Copper Plug-ins Available
- ◆ 10/100Base-TX Speed On Copper Ports
- ◆ Power Over Ethernet on All Ports

SPECIFICATIONS:

Ethernet:

Data Rate
Auto negotiated10/100 Mb/s
Connector RJ45
PoE-HP (up to 2 RJ45 ports).....60 Watts
PoE,PoE+ (up to 2 RJ45 ports) ..15, 30 Watts

Optical:

Distance/Loss Budget
FX Multimode
-62/125u2 km
-Loss Budget 11 dB
FX Singlemode
-9/125u15 km
-Loss Budget 16 dB
ConnectorDual LC

Power:

Voltage48-52 VDC
Current (no external PD load) 100 mA
Connector 2 Pin Terminal Block

Environmental:

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

Size:

Module..... 7⁵/₈"x 5¹/₂"x 1¹/₈"



The American Fibertek MX-6p-FX-PoE-HP Series transmits and receives (4) copper 10/100 Base-TX Ethernet signals at the RJ45 ports and (2) optical 100 Base-FX over 1 or 2 optical fibers. The system is comprised of two or more units forming a communications link.

The MX-6p-FX-PoE-HP Series also sources up to 60 Watts of power to an Ethernet powered device (PD) for up to 2 RJ45 ports. 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.

If only a single RJ45 port requires 60 Watts, ports 3 and 4 are available to source up to 30 Watts each. An external power supply is required.

The MX-6p-PoE is targeted for applications where the customer has 48 volts available (such as in security monitoring of solar farms). An external 48 volt power supply, provided by the customer, needs to provide the required watts for the application.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100 Base-TX). Auto MDI/MDIX operation eliminates the potential need for crossover cables. Diagnostic indicators provide a quick visual indication of system status.

ORDERING INFORMATION:

MX-6p-FX-PoE-1HP 6 Port, 1 PoE 60W Port 1, two 15/30W Ports 3&4, Module
MX-6p-FX-PoE-2HP 6 Port, 2 PoE 60W Ports 1&3, Module
Power Supply not included. Contact AFI for products which include a power supply.

RECOMMENDED POWER SUPPLY:

PS-48120 120 Watts