afi

10/100 Base-T to 100 Base-FX Ethernet Media Converter / 3 Port Switch with 60W PoE

"Approved for AXIS Q6032-E PTZ Dome Network Camera"

FEATURES:

♦ Complete Fiber Optic to Twisted Pair Media Interface
♦ Auto Negotiate 10/100 Ports
♦ Auto MDI/MDIX Detection
♦ Link and Activity Indicators for UTP and Fiber Ports
♦ Singlemode Fiber Versions Available
♦ Power (60 Watts) Over Ethernet on 1 Port
♦ Two RJ45 Data Ports Available
♦ Extended Temperature Range

SPECIFICATIONS:

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

Optical:
One Fiber .... 1310/1550 nm
Two Fiber .... 1310 nm
Source:
 Multimode Two Fiber .... LED
 Multimode One Fiber .... Laser
Distance
 FX 62/125u .... 2 km
Loss Budget .... 11 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 +65 °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"

10/23/12 JPM

The American Fibertek 46-PoE-HP Series transmits and receives (2) copper 10/100 Base-T Ethernet signals at the RJ45 ports and (1) optical 100 Base-FX over 1 or 2 multimode fibers. The system is comprised of two units forming a point-to-point communications link.

The 46-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 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-46-FX-SC-PoE-HP One Fiber Module Transmitter FX Multimode SC Connector
MTX-46-FX-ST-PoE-HP One Fiber Module Transmitter FX Multimode ST Connector
MX-46-FX-SC-PoE-HP   Two Fiber Module FX Multimode SC Connector
MX-46-FX-ST-PoE-HP   Two Fiber Module FX 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. See Series 46 datasheet.