

Ethernet over Coax (EoC) Transceiver with PoE+ and PoC

FEATURES:

- ◆ Transmits up to distances of 3280ft (1km)
- ◆ Supports mega-pixel technology
- ◆ Supports PoE 802.3af & 802.3at & Power Over Coax PoC
- ◆ Supports any network device including IP cameras
- ◆ Supports 10/100 over RG59 cables
- ◆ Easy installation
- ◆ LED indicators for link status and power

SPECIFICATIONS:

Ethernet:

Speed.....10/100 Base-TX
PoE.....802.3af (15.4 Watts)
PoE.....802.3at (30 Watts)
Connector RJ45
Cable Type.....Cat5 or above
Max Distance (Cat5) 328ft (100 m)

Coax Building Wiring Interface:

Impedance.....75Ω
Connector.....BNC
Distance(RG-59/U).....3280ft/ 1km)
Downstream Data Rate..... 40 Mbps
Upstream Data Rate..... 10 Mbps

Power:

Voltage 48 VDC
Power (without PoE/PoC load) 8 W
Power (with PoE/PoC load) 60 W
Connector2 Pin Terminal Block

Power Supply:

PS-4860B(ordered separately).48VDC / 60W

Environmental:

Operating Temp-10 °C to 60 °C
Storage Temp-40 °C to 85 °C
Humidity 5 % to 95 %
MTBF.....>100,000 hr

Size:

Module.....4.6" x 3.2" x 1.2"
114 x 82 x 31 mm

ORDERING INFORMATION:

ECT-1-PoE+	EoC Transmitter
ECR-1-PoE+	EoC Receiver
PS-4860B	PoE Power Supply

5/2015 JPK



The American Fibertek Series EC-1-PoE solution allows for the utilization of existing coax cable infrastructure to transmit bi-directional data from IP cameras and other network devices. The AFI Series EC-1-PoE receiver power supply provides Power Over the Coax (PoC) to power the EC-1-PoE transmitter which also provides PoE to the IP camera. The PoE power supply is ordered separately.

The AFI Series EC-1-PoE link is a system containing a transmitter and a receiver that requires very little installation and no set up or configuration. The system can quickly turn any ordinary RG59 coax cable into an IP network communication path.

The units packaging are constructed of black anodized aluminum with corrosion resistant finish. LED indicators show the status and activity of network communications.

The AFI Series EC-1-PoE system is designed to be completely transparent to the network. Simply connect your network devices to the networking ports on the transmitter and receiver and, using with existing coaxial cable infrastructure, the system begins communicating.

Rack mount chassis for mounting multiple modules is available.

