

## Ethernet over Coax (EoC) 16 Port Receiver 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
- ◆ Connects up to 16 ECT-1-PoE+ units and IP cameras
- ◆ Supports 10/100 over RG59 cables
- ◆ Easy installation
- ◆ LED indicators for link status and power

### SPECIFICATIONS:

#### Ethernet:

Speed.....10/100/1000Base-T  
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 Interface:

Impedance.....75  
Connector.....(16) BNC  
Distance(RG-59/U).....2625ft/(800m)  
Downstream Data Rate..... 40 Mbps  
Upstream Data Rate..... 10 Mbps

#### Power:

Input Voltage.....100-240VAC  
PoC/PoE Voltage..... 48 VDC  
Power (without PoE/PoC load)..... 32 W  
Power (with PoE/PoC load) ..... 500max W  
Power (with PoE+/PoC load) ..... 1000max W

#### Environmental:

Operating Temp.....0 °C to 50 °C  
Storage Temp..... -40 °C to 85 °C  
Humidity ..... 5 % to 95 %  
MTBF.....>100,000 hr

#### Size:

Rack-Mount 1RU.....19" x 11.8" x 1.7"  
483 x 300 x 44 mm

### ORDERING INFORMATION:

ECT-1-PoE+      EoC Transmitter  
ECR-16-PoE+    16 Port EoC Receiver



The American Fibertek Series ECR-16-PoE+ solution allows for the utilization of existing coax cable infrastructure to support bi-directional data from 16 ECT-1-P transmitters and IP cameras or other network devices. The AFI Series ECR-16-PoE+ receiver power supply provides Power Over the Coax (PoC) to power to 16 ECT-1-PoE+ transmitters which also provides PoE+ to the IP cameras. The PoE power supply is ordered separately.

The AFI Series ECR-16-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/U 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 ECR-16-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.

