



# eBridge1PCR IP and PoE over Coax Receiver

## Description

Altronix eBridge1PCR single port EoC Receiver transmits data and power over coax cable. eBridge1PCR generates PoE up the coax to an eBridge1PCT transceiver. The transceiver in turn delivers that PoE compliant power to an edge device/camera. This plug and play unit facilitates system upgrades from analog to IP utilizing existing legacy Coax and eliminates the costs and labor associated with installing new network cabling. Data transmission and power over the Coax is possible up to 500m in comparison to 100m Ethernet distance (CAT5e). A maximum range from headend to the edge device/camera is 610m, taking into consideration that up to 100m of structured cable may be deployed from the receiver to the network switch and the transceiver to the edge device/camera.



eBridge1PCR

## Key Features -

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- IEEE 802.3af (15W).	- Extends Network link distance in an industrial environment.
- Throughput is rated to pass 25Mbps at distances up to 500m.	- Upgrades deployed CCTV Coax to a digital network
- Eliminates the costs and labor associated with installing	for Retail, Casinos, Airports, Schools, Hospitals, etc.
new network cabling.	- UL Listed in the U.S. and Canada.
- Retrofit digital IP cameras in an analog CCTV installation.	- CE Approved.
- Auto detection and protection of legacy	- C-Tick compliant.
non-PoE cameras/devices.	- Lifetime Warranty
- Works with Megapixel, HD720, and HD1080 cameras.	

# **Compatible Transceivers:**







#### eBridge1PCT

IP and PoE over Coax Hardened Transceiver Delivers IP video/data over coax up to 500m @ 25Mbps. Supports PoE (IEEE 802.3af). UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

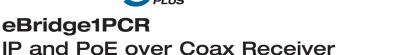
#### eBridge1PCTX

IP and PoE/PoE+ over Coax Hardened Transceiver Delivers IP video/data over coax up to 500m @ 25Mbps. Supports PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at). UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge1ST IP and PoE/PoE+ over Coax Hardened Mini Transceiver Delivers IP video/data over coax up to 500m @ 25Mbps. Supports PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at). UL/cUL Listed (UL60950-1). CE Approved.



Specifications -





#### Input Agency Listings UL/cUL Voltage: UL 60950-1 24VDC Class 2 power supply (polarity not observed) or (Information Technology Equipment). 24VAC Class 2 plug-in transformer. CE European Conformity. Power Consumption (under maximum load): C-Tick compliant. 24VDC/1,000mA, 24VAC/900mA. Ethernet Physical and Environmental Connectivity: RJ45, auto-crossover. Dimensions (H x W x D) Wire type: 4-pair Cat-5 or better structured cable. 3.5" x 4.375" x 1" (88.9mm x 111.1mm x 25.4mm). Distance: up to 100m. Weight (approx.) Product Weight 0.275 lbs. (0.125 kg). Coax Shipping Weight 0.6 lbs. (0.27 kg). Throughput is rated to pass 25Mbps of data at distances up to 500m. Temperature With proper headend equipment multiple Megapixel Operating cameras can be used. For 15W: -20°C to 45°C (-4°F to 113°F). Speed: 10/100BaseT, half/full duplex, auto negotiation. For 30W (24VDC): -20°C to 37°C (-4°F to 98.6°F). Connectivity: BNC, RG-59/U or similar. For 30W (48VDC): -20°C to 45°C (-4°F to 113°F). -20°C to 70°C (-4° to 158°F). Storage

#### Indicators (LED)

Blue LED	Coax link connection.
Yellow LED	PoE ON.
Green LED	Power ON.
Yellow and Green LED (RJ45):	IP Link status, 10/100Base-T/active

#### Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA \_\_\_\_\_ phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

Relative Humidity

**Operating Altitude:** 

BTU/Hr (approx.):

85% +/-5%.

-304.8 to 2,000m. 24VDC: 18 BTU/Hr.

56VDC: 26 BTU/Hr.