



eBridge1PCT

**Overview**

The eBridge1PCT - IP over Coax transceiver is designed for use with eBridge-1PCR, eBridge1PCR_X, eBridge4PCR_X and eBridge16PCR_X receivers to enable fast 10/100Base-T Ethernet digital communication over coax cable. The eBridge1PCT will not deliver power to non compliant devices, thus avoiding damage to improperly connected non-PoE cameras/devices. This plug and play unit facilitates system upgrades from analog to IP cameras/devices utilizing existing legacy Coax and eliminating the costs and labor associated with installing new network cabling. In addition, data transmission is extended to 2,000' (over five times the 100m/328' Ethernet maximum length), eliminating the need for repeaters.

Specifications**Agency Listings:**

- UL/CUL Listed for Information Technology Equipment (UL 60950-1).
- CE approved.
- C-Tick compliant.

sloc[™] Compliant:

- Incorporates *sloc[™] (Security Link over Coax) technology.

Input:

- Powered by eBridge receiver.

Power Consumption (under maximum load):

- Powered by eBridge receiver.

Ethernet:

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5 or better structured cable.
- Distance: up to 100m (328 ft.).
- Speed: 10/100BaseT, half/full duplex, auto negotiation. PoE compliant to IEEE 802.3af (15W) Delivered to camera by eBridge1PCT. Power provided by eBridge receiver to eBridge1PCT by PoE protocol.
- Throughput is rated to pass 25mbps of data at distances up to 2,000 ft. With proper headend equipment, this supports Megapixel, HD720, HD1080.

Coax:

- Distance: up to 1,500 ft. for power delivery of coax.
- Connectivity: BNC, RG-59/U or similar.

LED Indicators:

- Blue LED - Coax link connection (SLOC).
- Green LED - PoE from eBridge1PCR.

Environmental:

- Operating Temperature:
 - 4°F to 140°F (-20°C to +60°C).
- Storage Temperature:
 - 22° to 158°F (-30° to +70°C) Storage.
- Humidity: 20 to 85%, non-condensing.

Electrical:

- BTU/Hr.:
 - 24VDC: 12.28 BTU/Hr.
 - 24VAC: 11.1 BTU/Hr.

Functions:

- Auto detection and protection of legacy non-PoE cameras/devices.

Applications:

- Retrofit digital IP cameras in an analog CCTV installation.
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras.
- Extend Network link distance in an industrial environment over 610m (2000 ft.).
- Upgrade deployed CCTV Coax to a digital network in Retail, Casinos, Airports, Schools, Hospitals, etc.

Mechanical:

- Dimensions (W x L x H approx.):
 - 2.5" x 4.375" x 1" (63.5mm x 111.125mm x 25.4mm).
- Product Weight: 0.21 lbs (0.09 kg).
- Shipping Weight: 1 lbs (0.45 kg).

* sloc is a registered trademark of Intersil Corporation.

Agency Approvals

UL/CUL Listed for Information Technology Equipment (UL 60950-1).



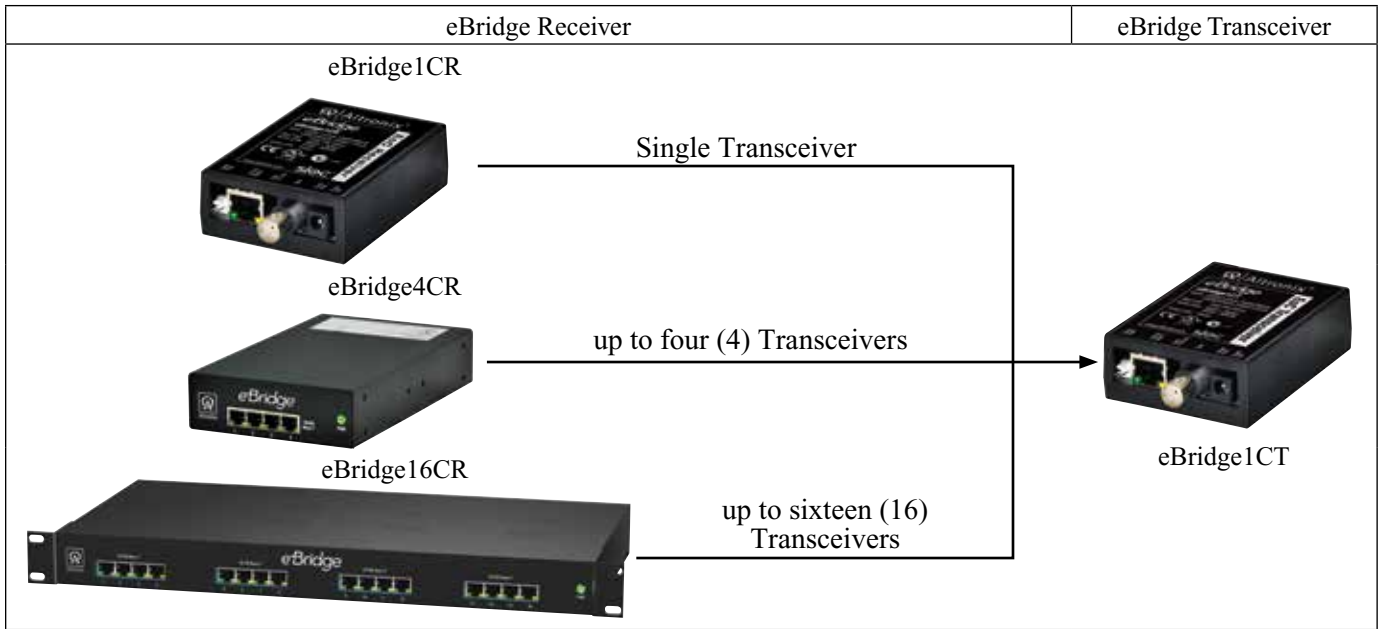
European Conformity



C-Tick Approved - Z1409

eBridge Receiver / eBridge Transceiver Compatibility:

Ethernet over Coax Solutions.



eBridge Plus Receiver / eBridge Plus Transceiver Compatibility:

Ethernet and Power over Coax Solutions.

