



eBridge1PCTX



### **Overview**

The eBridge1PCTX - IP over Coax transceiver is designed for use with eBridge1PCRX, eBridge1PCRM, eBridge4PCRX and eBridge16PCRX receivers to enable fast 10/100Base-T Ethernet digital communication over coax cable. The eBridge-1PCTX 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) and PoE+ compliant to IEEE 802.3at (30W) delivered to camera by eBridge1PCTX. Power provided by eBridge Plus receivers to eBridge1PCTX 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 eBridge1PCRX.

#### **Environmental:**

- Operating Temperature: -4°F to 120.2°F (-20°C to +49°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, Hospitality, Arenas, Casinos, Airports, Schools, Hospitals, Transportation, 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).



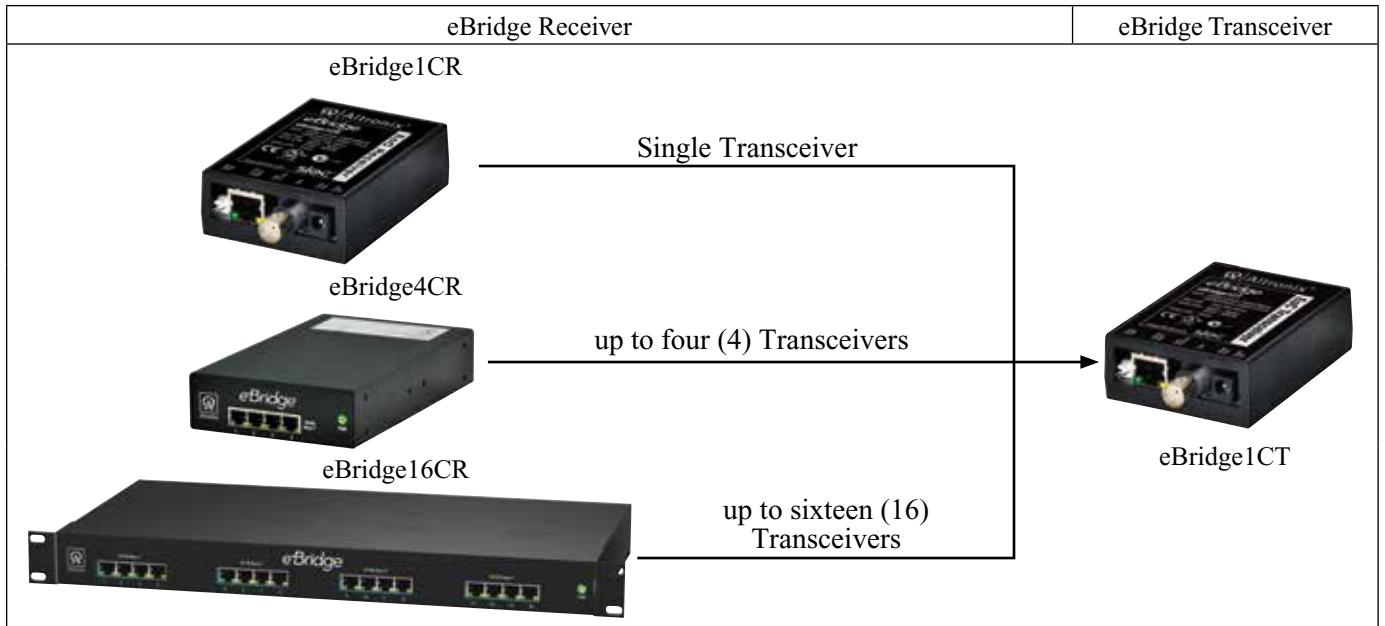
European Conformity



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.

