



eBridge1CT

**eBridge™**

## Overview

The eBridge1CT - IP over Coax transceiver is designed for use with eBridge1CR, eBridge4CR and eBridge16CR receivers to enable fast 10/100Base-T Ethernet digital communication over coax cable. 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. eBridge units will transmit Composite Video Signal with Ethernet data simultaneously.

## Specifications

### **Input:**

- 12VDC to 24VDC Class 2 power supply (polarity not observed) or 16VAC to 24VAC Class 2 plug-in transformer.

### **Power Consumption:**

- 12VDC/275mA, 24VDC/110mA, 16VAC/375mA, 24VAC/200mA.

### **sloc™ Compliant:**

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

### **Ethernet:**

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair Cat-5 or higher structured cable.
- Distance: up to 328 ft. (100m).
- Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Throughput is rated to pass 25mbps of data at distances up to 1500 ft. With proper headend equipment, multiple Megapixel cameras can be used.

### **Coax:**

- Distance: up to 1,500 ft.
- Connectivity: BNC, RG-59/U or similar.

### **LED Indicators:**

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

### **Environmental:**

- Operating Temperature: 14°F to 122°F (-10°C to +50°C).
- Storage Temperature: -22° to 158°F (-30° to +70°C) Storage.
- Humidity: 20 to 85%, non-condensing.

### **Electrical:**

- BTU/Hr.:
  - VDC: 1.69 - 4.46 BTU/Hr.

### **Electrical (cont'd):**

- BTU/Hr.:
  - VAC: 2.46 - 3.07 BTU/Hr.

### **Accessories:**

- Composite video cable (included) - enables simultaneous composite video signal over the same Coax.
- Power connector.

### **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.
- Upgrade deployed CCTV Coax to a digital network in Retail, Hospitality, Arenas, Casinos, Airports, Schools, Hospitals, Transportation, etc.
- Enables simultaneous transmission of composite and digital IP video.

### **Mechanical:**

- Lightweight molded fiberglass reinforced polyester enclosure is corrosion resistant and does not contain halogens.
- Dimensions (W x L x H approx.):
  - 2.5" x 3.8" x 1" (63.5mm x 96.52mm x 25.4mm)
- Product weight (approx.): 3.4 oz. (0.10 kg).
- Shipping weight (approx.): 5.4 oz. (0.15 kg).

### **Additional eBridge models:**

- **eBridge1CR:** Single port ethernet receiver (use with eBridge transceiver).
- **eBridge1CRT:** Single port ethernet receiver and transceiver kit.
- **eBridge4CR:** Four (4) port ethernet receiver.
- **eBridge16CR:** Sixteen (16) port ethernet receiver.

\* sloc is a registered trademark of Intersil Corporation.

## Agency Approvals



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

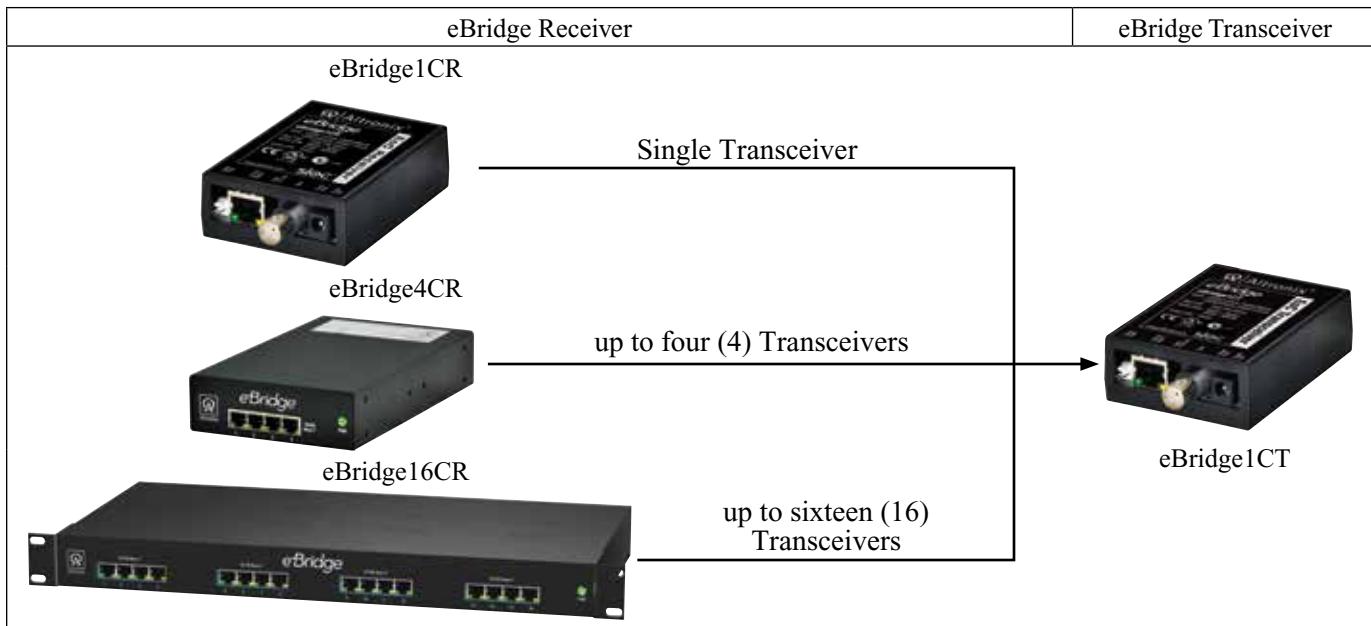


European Conformity


 C-Tick Compliant  
Z1409

## **eBridge Receiver / eBridge Transceiver Compatibility:**

Ethernet over Coax Solutions.



## **eBridge Plus Receiver / eBridge Plus Transceiver Compatibility:**

Ethernet and Power over Coax Solutions.

