



### 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 up to 610m (over five times the 100m 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 100m.
- Speed: 10/100BaseT, half/full duplex, auto negotiation.
- Throughput is rated to pass 25mbps of data at distances up to 457m with proper headend equipment which supports Megapixel, HD720, HD1080.

#### Coax:

- Distance: up to 457m.
- 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: -4° to 158°F (-20° to 70°C).
- Relative humidity: 85%, +/-5%, non-condensing.
- Operating Altitude: -1000 to 6,561.679 ft. (-304.8 to 2000m).

#### 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 compact insulated housing.
- 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).



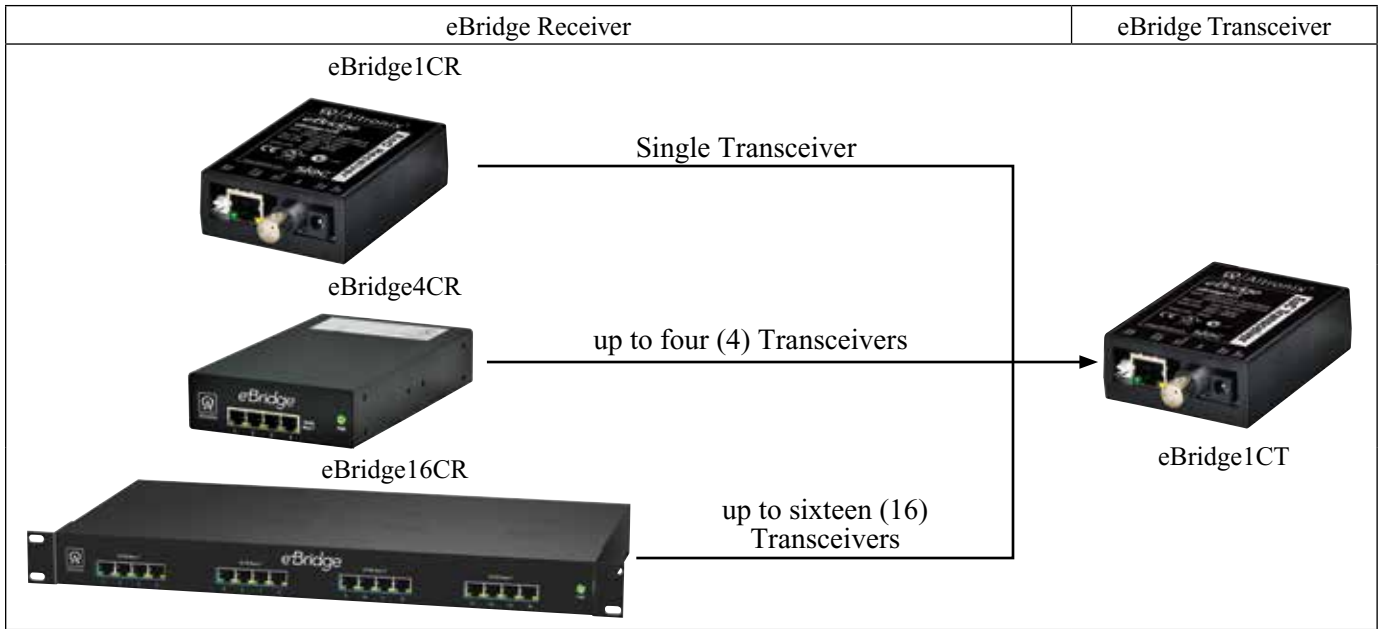
European Conformity



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.

