



eBridge1CT



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.

* sloc is a registered trademark of Intersil Corporation.

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 for Retail, Casinos, Airports, Schools, Hospitals, 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" (63.5mm) x 3.8" (96.52mm) x 1" (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.

Agency Approvals



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







European Conformity



C-Tick Compliant Z1409









eBridge Receiver and Transceiver Compatibility:

Ethernet over Coax Solutions.

| eBridge Receiver | eBridge Transceiver | |
|--|----------------------------------|---|
| <p>eBridge1CR</p>  | One (1) eBridge1CT |  |
| <p>eBridge4CR</p>  | Up to four (4) eBridge1CT | |
| <p>eBridge16CR</p>  | Up to sixteen (16) eBridge1CT | |

eBridge Plus Receiver and Transceiver Compatibility:

Ethernet and Power over Coax Solutions.

| eBridge Plus Receiver | eBridge Plus Transceiver | |
|--|--|---|
| <p>eBridge1PCR</p>  | One (1) eBridge1PCT (PoE) |  |
| <p>eBridge1PCRX</p>  | eBridge1PCT (PoE) or eBridge1PCTX (PoE/PoE+) |  |
| <p>eBridge4PCRX</p>  | Any four (4) eBridge1PCT (PoE) or eBridge1PCTX (PoE/PoE+) | |
| <p>eBridge16PCRX</p>  | Any sixteen (16) eBridge1PCT (PoE) or eBridge1PCTX (PoE/PoE+) |  |
| <p>eBridge1PCRM</p>  | eBridge1PCT (PoE) or eBridge1PCTX (PoE/PoE+) | |