



eBridge1PCT



Overview

eBridge1PCT is a single port EoC Transceiver which receives data and power over coax cable. It is designed for use with eBridge1PCR, eBridge1PCR_X, eBridge4PCR_X and eBridge16PCR_X receivers. The transceiver delivers the PoE compliant power to an edge device/camera. This plug and play unit facilitates system upgrades from analog to IP utilizing existing legacy Coax and eliminates the costs and labor associated with installing new network cabling. Data transmission and power over the Coax is possible up to 457m in comparison to 100m Ethernet distance (CAT5e). A maximum range from head end to the edge device/camera is 610m taking into consideration that up to 100m of structured cable may be deployed from the receiver to the network switch and the transceiver to the edge device/camera. Lifetime warranty. Made in the U.S.A.

Specifications

Input:

- Powered by eBridge receiver.

Power Consumption (under maximum load):

- Powered by eBridge receiver.

Ethernet:

- Connectivity: RJ45, auto-crosscover.
- Wire type: 4-pair CAT5 or better structured cable.
- Distance: up to 100m.
- 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 457m with proper headend equipment which supports Megapixel, HD720, HD1080.

Coax:

- Distance: up to 457m for power delivery of coax.
- Connectivity: BNC, RG-59/U or similar.

LED Indicators:

- Blue LED - Coax link connection.
- 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).

Environmental (cont'd):

- Relative humidity: 85%, +/-5%, non-condensing.
- Operating Altitude: -1000 to 6,561.679 ft. (-304.8 to 2000m).

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.
- Upgrade deployed CCTV Coax to a digital network in Retail, Hospitality, Arenas, Casinos, Airports, Schools, Hospitals, Transportation, etc.

Mechanical:

- Lightweight molded compact insulated housing.
- 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).

Agency Approvals



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



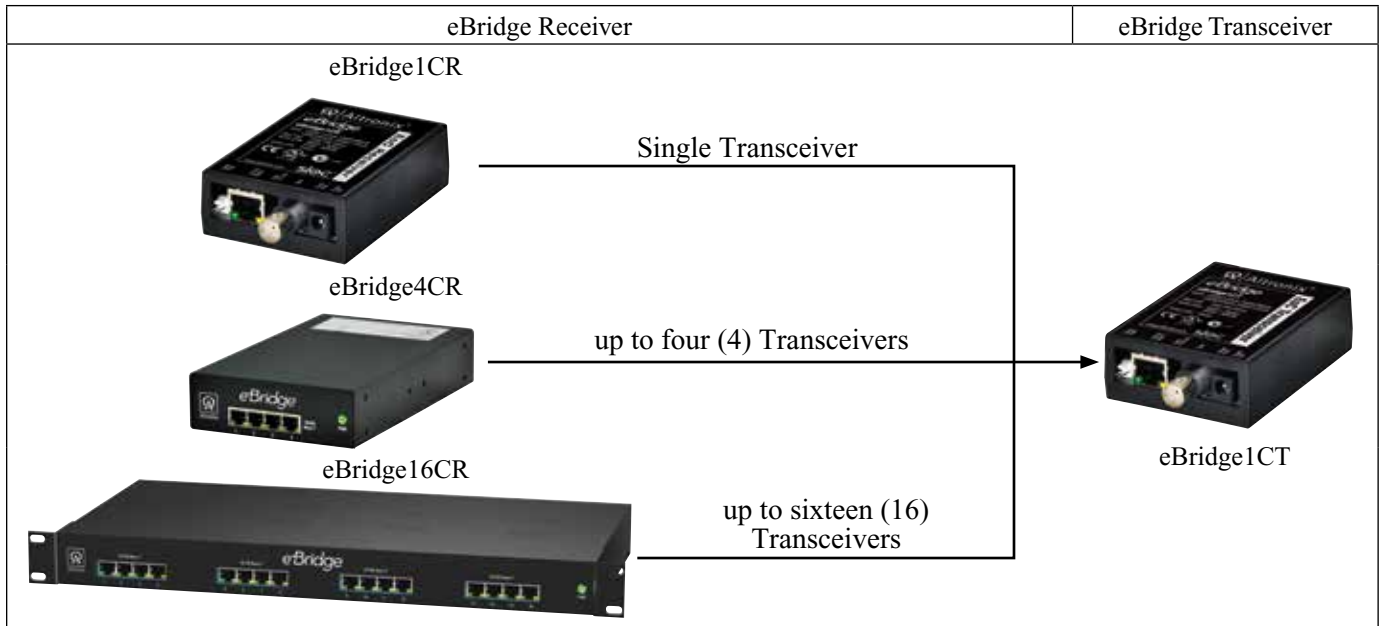
European Conformity



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.

