



Overview

eBridge1STR is a versatile solution Ethernet adapter/media converter kit which transmits data at 25Mbps and power over Coax cable in a PoE+ compliant format. The eBridge1PCRM is powered via a PoE midspan, such as the Altronix Netway series, or by an endspan. The receiver passes the PoE(+) compliant power over cable to the eBridge1ST transceiver which in turn passes this power to an enabled IP Camera/device. These plug and play units facilitate cost effective solutions for IP devices that need to be installed at distances greater than 100m. They provide a simple way to replace legacy analog products with new IP devices over existing coax.

Specifications

Input eBridge100RM:

- Powered by midspan or endspan.
PoE compliant to IEEE 802.3af (15W) and PoE+ compliant to IEEE 802.3at (30W).

Ethernet:

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5.
- Distance: up to 500m.
- 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 eBridge1ST. Power provided by eBridge1PCRM to eBridge1ST by PoE protocol.
- Throughput is rated to pass 25mbps of data at distances up to 500m.

Coax Link:

- Distance: Coax 300m for power delivery.
- Connectivity: BNC, RG-59/U or similar.

LED Indicators:

- eBridge1PCRM and eBridge1ST:
Yellow - PoE ON (by respective RJ45 jack).
- eBridge1PCRM and eBridge1ST:
Yellow and Green LED (RJ45) IP Link status, 10/100Base-T/active.

Environmental:

- Operating Temperature:
eBridge1PCRM: - 20°C to +49°C (- 4°F to 120.2°F).

Environmental (cont'd):

eBridge1ST:

For 15W: - 40°C to 75°C (- 40°F to 167°F).
For 30W: - 40°C to 60°C (- 40°F to 140°F).

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

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, Casinos, Airports, Schools, Hospitals, etc.

Mechanical:

- Dimensions (W x L x H approx.):
eBridge1PCRM:
3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm)
eBridge1ST:
2.27" x 2.645" x 1.12" (57.66mm x 67.18mm x 28.44mm)
- Product weight (approx.): 0.25 lbs. (0.11kg).
- Shipping weight (approx.): 0.42 lbs. (0.19kg).

Agency Approvals



eBridge Plus Receiver / eBridge Plus Transceiver Compatibility:

Ethernet and Power over Coax Solutions.



Transceiver (eBridge1ST)



Single Port Receiver (eBridge1PCRM)