



Overview

eBridge1ST EoC transceiver transmits data at 25Mbps over Coax cable to a paired eBridge receiver and provides power in a PoE+ compliant format to an enabled device/camera. The eBridge receiver is available in various options (see compatibility list below/Altronix.com), including built-in midspan, or for use with an external midspan, such as the Altronix Netway series to facilitate network applications. The receiver passes PoE+ power over the same coax 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. They can be installed at distances greater than 500m. They provide a simple way to replace legacy analog products with new IP devices over existing coax.

Specifications

Input:

- PoE compliant to IEEE 802.3af (15W) and PoE+ compliant to IEEE 802.3at (30W) from eBridge receivers.

Compatible Receivers:

- eBridge1PCRM, eBridge4PCRM, eBridge8PCRM, eBridge16PCRM, eBridge1PCR, eBridge1PCR, eBridge4PCR, eBridge8PCR, eBridge16PCR.
- Visit www.altronix.com for the latest compatibility list.

Ethernet:

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5.
- Distance: up to 500m.
- Speed: 10/100BaseT, 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 eBridge receiver to eBridge1ST by PoE protocol.
- Throughput is rated to pass 25Mbps of data at distances up to 500m.

Coax Link:

- Distance: Coax 500m for power delivery.
- Connectivity: BNC, RG-59/U or similar.

LED Indicators:

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

Environmental:

- **Operating Temperature:**
For 15W -40°F to 167°F (-40°C to 75°C).
For 25W -40°F to 140°F (-40°C to 60°C).
- **Storage Temperature:**
-40°F to 167°F (-40°C to 75°C).
- 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 IP Megapixel and non-Megapixel 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.):
2.27" x 2.645" x 1.12"
(57.66mm x 67.18mm x 28.44mm).
- Product weight: 0.22 lbs. (0.1 kg).
- Shipping weight: 0.4 lbs. (0.18 kg).

Agency Approvals



European Conformity

eBridge Plus Receiver / eBridge Plus Transceiver Compatibility:

Ethernet and Power over Coax Solutions.

