

# eBridge100STR

## IP and PoE/PoE+ over Coax Solution

### Description

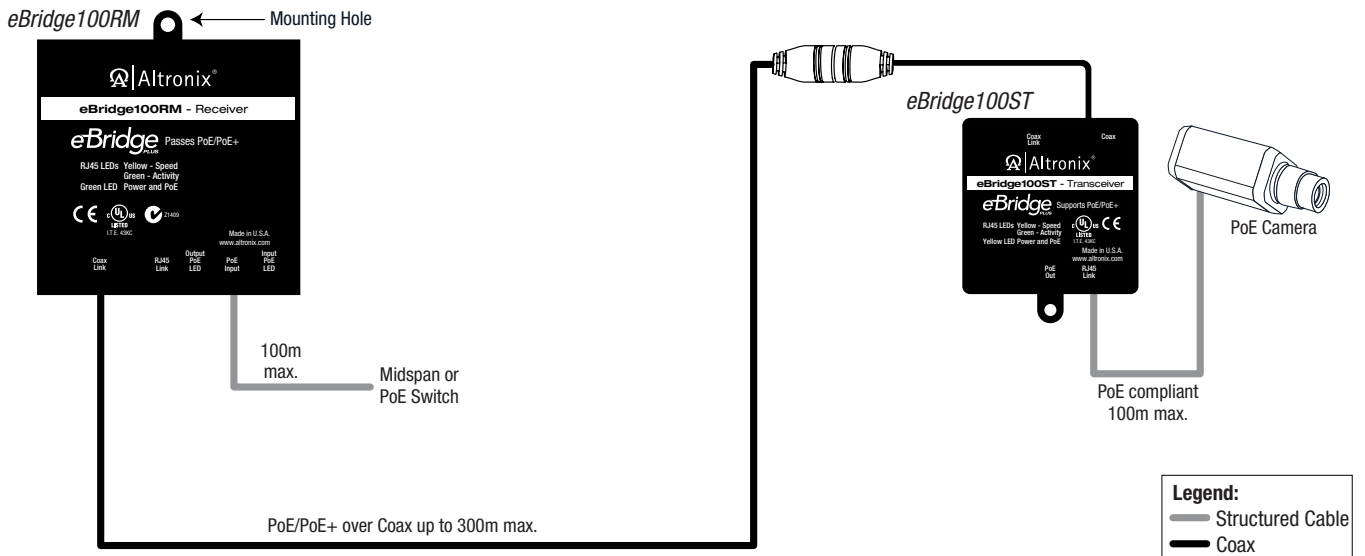
Altronix eBridge100STR EoC adapter kit transmits data at 100Mbps full duplex and power over Coax cable in a PoE/PoE+ compliant format. eBridge100RM is powered via a PoE midspan or endspan. The receiver passes PoE/PoE+ over coax cable to the eBridge100ST hardened transceiver which, in turn, passes this 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.



### Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W).
- Throughput is rated to pass 100Mbps at distances up to 300m.
- Eliminates the costs and labor associated with installing new network cabling.
- Retrofit digital IP cameras in an analog CCTV installation.
- Auto detection and protection of legacy non-PoE cameras/devices.
- Works with Megapixel, HD720, HD1080 & VGA (SD) cameras.
- Extends Network link distance in an industrial environment.
- Upgrades deployed CCTV Coax to a digital network for Retail, Casinos, Airports, Schools, Hospitals, etc.
- UL Listed in the U.S. and Canada.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

### Typical Operation Diagram



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### Specifications

#### Input

- eBridge100RM: Powered by midspan or endspan.  
eBridge100ST: Operating power provided by eBridge100RM.  
Power consumption: 1.5W.

#### Coax

- Throughput rated at 100Mbps at distances up to 300m.  
Speed: 10/100BaseT, half/full duplex, auto negotiation.  
Connectivity: BNC, RG-59/U or similar.

#### Indicators (LED)

- eBridge100RM:  
Green LED: PoE ON.  
Yellow LED: Power ON.  
eBridge100RM and eBridge100ST:  
Yellow and Green LED (RJ45): IP Link status, 10/100Base-T/active.  
eBridge100ST:  
Blue LED: Coax link connection.  
Green LED: PoE ON.

#### Agency Listings

- UL/cUL           UL 60950-1  
                          (Information Technology Equipment ).  
CE European Conformity.

#### Physical and Environmental

##### Dimensions (W x L x H)

- eBridge100RM:  
3.5" x 4.375" x 1" (88.9mm x 111.1mm x 25.4mm).  
eBridge100ST:  
2.27" x 2.645" x 1.12" (57.7mm x 67.2mm x 28.4mm).

##### Weight (approx.)

- Product Weight   0.4 lbs. (0.18 kg).  
Shipping Weight   1 lbs. (0.45 kg).

##### Temperature

- Operating  
eBridge100RM:   -20°C to 49°C (-4°F to 120.2°F).  
eBridge100ST:  
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

- Relative Humidity   85% +/-5%.  
Operating Altitude: -304.8 to 2,000m.