

## eBridge100RM

### IP and PoE/PoE+ over Coax or Extended Ethernet Cable Receiver

#### Description

Altronix eBridge100RM, a versatile dual solution Ethernet receiver/media converter, transmits data at 100Mbps full duplex and power over Coax cable or extended CAT5e cable in a PoE+ compliant format. eBridge100RM is powered via a PoE midspan such as Altronix NetWay series or by an endspan. The receiver passes the PoE(+) compliant power over cable to the eBridge100TM/eBridge100ST 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 also provide a simple way to replace legacy analog products with new IP devices over existing coax or structured cable.



eBridge100RM

#### Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W).
- Transmits 100Mbps up to 300m via Coax or 500m via CAT5e.
- 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.
- C-Tick compliant.
- Lifetime Warranty

#### Compatible Transceivers:



eBridge100TM

##### eBridge100TM

##### IP and PoE/PoE+ over Coax Hardened Transceiver

Transmits data at 100Mbps and provides power in a PoE/PoE+ compliant format. UL/cUL Listed (UL60950-1). CE and C-Tick Approved.



eBridge100ST

##### eBridge100ST

##### IP and PoE/PoE+ over Coax Hardened Mini Transceiver

Transmits data at 100Mbps and provides power in a PoE/PoE+ compliant format. UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

## eBridge100RM

### IP and PoE/PoE+ over Coax or Extended Ethernet Cable Receiver

#### Specifications

##### Input

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

##### 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.

##### CAT5e or Higher

Throughput rated at 100Mbps at distances up to 500m.  
Speed: 10/100BaseT, half/full duplex, auto negotiation.  
Connectivity: RJ45, auto crossover

##### Indicators (LED)

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

##### Agency Listings

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

##### Physical and Environmental

Dimensions (W x L x H)  
3.5" x 4.375" x 1" (88.9mm x 111.1mm x 25.4mm).

##### Weight (approx.)

Product Weight	0.25 lbs. (0.11 kg).
Shipping Weight	0.4 lbs. (0.18 kg).

##### Temperature

Operating	-20°C to 49°C (-4°F to 120.2°F).
Storage	-30°C to 70°C (-22°F to 158°F).

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