Altronix®

eBridge100RMT

Rev. 10082021

Ethernet over Coax/Cat5e Adapters for Extended Distances
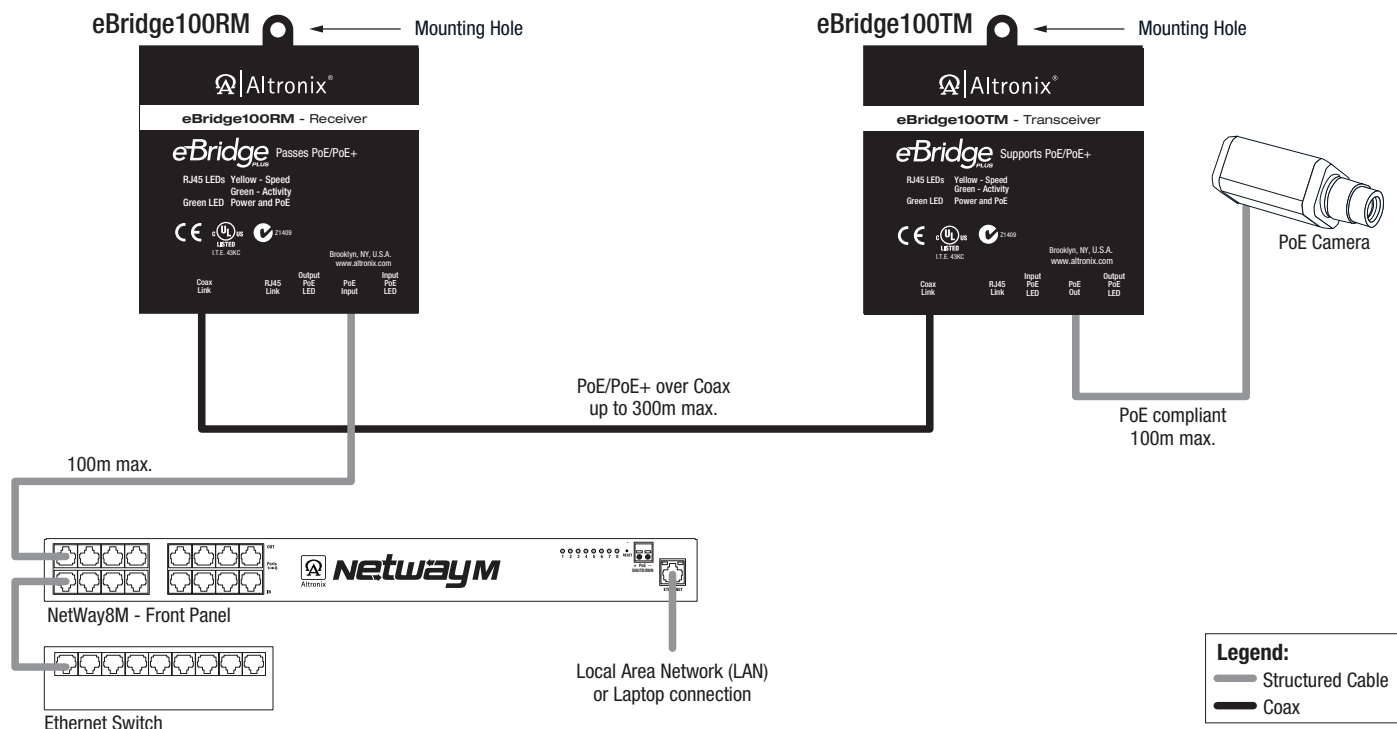
eBridge PLUS

Altronix eBridge100RMT Ethernet over Coax/CAT5e Adapter Kit transmits full duplex data at 100Mbps and pass PoE compliant power over coax 304m, or CAT5e cable up to 500m without repeaters. The adapter kit consists of an eBridge100RM receiver and an eBridge100TM transceiver. These adapters, along with the connected IP camera or edge device, are powered by virtually any midspan or endspan. Remote management functions such as edge device reset, monitoring real-time current draw and port status are possible when coupled with an Altronix NetWay8M/16M Midspan. eBridge100RMT is compatible with Megapixel, HD720, HD1080, and VGA cameras.

eBridge100RM

eBridge100TM

Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W)

- 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, and HD1080 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 European Conformity

- C-Tick compliant

- Lifetime Warranty

Typical Application

eBridge100RM ◀— Mounting Hole

eBridge100TM ◀— Mounting Hole

Altronix®
eBridge100RM - Receiver
eBridge PLUS Passes PoE/PoE+
RJ45 LEDs Yellow - Speed
Green - Activity
Green LED Power and PoE
LISTED
I.T.E. 43KC
Z1409
Brooklyn, NY, U.S.A.
www.altronix.com
Coax Link / RJ45 Link / Output PoE LED / PoE Input / Input PoE LED

Altronix®
eBridge100TM - Transceiver
eBridge PLUS Supports PoE/PoE+
RJ45 LEDs Yellow - Speed
Green - Activity
Green LED Power and PoE
LISTED
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Coax Link / RJ45 Link / Input PoE LED / PoE Out / Output PoE LED

PoE Camera

PoE/PoE+ over Coax up to 300m max.

PoE compliant 100m max.

100m max.

NetWay8M - Front Panel

Ethernet Switch

Local Area Network (LAN) or Laptop connection

Legend:
— Structured Cable
— Coax

Specifications

Input

eBridge100RM:	Powered by midspan or endspan
eBridge100TM:	Powered by eBridge100RM

Ethernet

Connectivity: RJ45, auto-crossover

Wire type: 4-pair Cat-5 or better structured cable

Distance: up to 100m

Coax

Throughput is rated to pass 100Mbps of data at distances up to 300m

With proper headend equipment multiple Megapixel cameras can be used

Speed: 10/100BaseT, half/full duplex, auto negotiation

Connectivity: BNC, RG-59/U or similar

Indicators (LED)

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

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	0.45 lbs. (0.2 kg)
Shipping Weight	0.8 lbs. (0.36 kg)

Temperature

Operating:

eBridge100RM:	-20ºC to 49ºC (-4ºF to 120.2ºF)
eBridge100TM:	
For 15W:	-40ºC to 75ºC (-40ºF to 167ºF)
For 25W:	-40ºC to 70ºC (-40ºF to 158ºF)
For 30W:	-40ºC to 49ºC (-40ºF to 120.2ºF)
Storage:	-20ºC to 70ºC (-4º to 158ºF)
Relative Humidity	85% +/-5%
Operating Altitude:	-304.8 to 2,000m