eBridge1PCRM

IP and PoE/PoE+ over Coax Receiver

Altronix eBridge1PCRM single port EoC Receiver transmits data and passes power over coax cable. eBridge1PCRM passes PoE/PoE+ up the coax to an eBridge1PCT, eBridge1PCTX or eBridge1ST transceiver. The transceiver in turn delivers that PoE compliant power to an edge device/camera. This plug and play unit facilitates system upgrades from analog to IP utilizing existing legacy Coax and eliminates the costs and labor associated with installing new network cabling. Data transmission and power over the Coax is possible up to 500m in comparison to 100m Ethernet distance (CAT5e). A maximum range from headend to the edge device/camera is 700m, taking into consideration that up to 100m of structured cable may be deployed from the receiver to the network switch and the transceiver to the edge device/camera.

eBridge1PCRM

Key Features

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

- Throughput is rated to pass 25Mbps at distances up to 500m

- 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 European Conformity

- C-Tick compliant

- Lifetime Warranty

Compatible Transceivers:

eBridge1PCT
IP and PoE over Coax Hardened Transceiver
Delivers IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge1PCT

eBridge1PCTX
IP and PoE/PoE+ over Coax Hardened Transceiver
Delivers IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge1PCTX

eBridge1ST
IP and PoE/PoE+ over Coax Hardened Mini Transceiver
Delivers IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE Approved.

eBridge1ST

Altronix®

eBridge1PCRM
IP and PoE/PoE+ over Coax Receiver

eBridge PLUS

Specifications

Input

Voltage:
24VDC to 56VDC Class 2 power supply (polarity observed)

Ethernet

Connectivity: RJ45, auto-crossover

Wire type: 4-pair CAT5 or better structured cable

Distance: up to 100m

Coax

Throughput is rated to pass 25Mbps of data at distances up to 500m.

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)

Blue LED	Coax link connection
Green LED	PoE ON
Green LED	Power ON
Yellow and Green LED (RJ45):	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 (H x W x D)
3.5" x 4.375" x 1" (88.9mm x 111.1mm x 25.4mm)

Weight (approx.)

Product Weight	0.275 lbs. (0.125 kg)
Shipping Weight	0.6 lbs. (0.27 kg)

Temperature

Operating	-20ºC to 49ºC (-4ºF to 120.2ºF)
Storage	-20ºC to 70ºC (-4º to 158ºF)
Relative Humidity	85% +/-5%
Operating Altitude:	-304.8 to 2,000m
BTU/Hr. (approx.):	24VDC: 18 BTU/Hr. 56VDC: 26 BTU/Hr.

Accessories

NetWay1D

NetWay1D
Single port Hi-PoE midspan injector for standard and enhanced power network infrastructure.
Provides Class 2 power-limited output rated @ 56VDC/60W.
Operates at 115VAC or 230VAC input.
UL/cUL Listed (UL60950-1). CE European Conformity.