Altronix®

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eBridge1PCRX

IP and PoE/PoE+ over Coax Receiver

eBridge PLUS

Altronix eBridge1PCRX single port EoC Receiver transmits data and power over coax cable. eBridge1PCRX generates 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). 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.

eBridge1PCRX

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

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.

eBridge1PCTX

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.

eBridge1ST

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.

Lifetime Warranty

Altronix Corporation | 140 58th St | Brooklyn, NY 11220 USA
phone: +1 718.567.8181 | fax: +1 718.567.9056 | email: info@altronix.com | www.altronix.com

eBridge1PCRX

IP and PoE/PoE+ over Coax Receiver

Specifications

Input

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

Power Consumption (under maximum load):
24VDC/1,500mA

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 (W x L x H)

Enclosure: 3.5" x 4.375" x 1" (88.9mm x 111.1mm x 25.4mm)

Shipping: 8" x 6" x 5" (203.2mm x 152.4mm x 127mm)

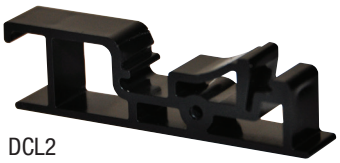
Weight (approx.)

Product:	0.275 lb. (0.125 kg)
Shipping:	0.6 lb. (0.27 kg)

Temperature

Operating:	
For 15W:	– 20ºC to 45ºC (– 4ºF to 113ºF)
For 30W (24VDC):	– 20ºC to 37ºC (– 4ºF to 98.6ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
Operating Altitude	– 304.8 to 2,000m
BTU/Hr.	18 BTU/Hr.

Accessories



DCL2

DCL2 - DIN Rail Mounting Clip

Allows for easy installation of Altronix adapters utilizing screw mouting holes to mount on a standard DIN rail (Altronix Din Rail models D10, D12, D19, or D24).

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