Altronix®

eBridge1ST

IP and PoE/PoE+ over Coax Hardened Mini Transceiver

Altronix eBridge1ST EoC hardened transceiver transmits data at 25Mbps, Full Duplex over Coax cable to a paired eBridge receiver and provides power in a PoE/PoE+ compliant format to an enabled device/camera. The eBridge receiver is available in various options and is powered by an external midspan or endspan. The receiver passes PoE/PoE+ power over the same coax cable to the eBridge1ST transceiver, which, in turn, passes this power to an enabled IP camera/device. These plug and play units facilitate a cost-effective, simple way to replace legacy analog products with new IP devices over existing coax up to 500m.
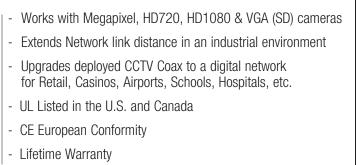
eBridge1ST

Key Features

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

- 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

- Lifetime Warranty

Compatible Receivers:

eBridgePlus Receivers:

eBridge1PCR, eBridge1PCRX, eBridge1PCRM - Single Port EoC Receivers
eBridge4PCRM, eBridge4PCRX - Four (4) Port EoC Receivers
eBridge8PCRM, eBridge8PCRX - Eight (8) Port EoC Receivers
eBridge16PCRM, eBridge16PCRX - Sixteen (16) Port EoC Receivers
Transmit IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af) and/or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge8E
8-Port Managed EoC Receiver with Integral PoE+ Switch
Transmit IP video/data over coax up to 500m @ 25Mbps.
8 ports with 30W full power per port. 1Gb uplink (10/100/1000).
Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE Approved.

eBridge8E

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IP and PoE/PoE+ over Coax Hardened Mini Transceiver

eBridge PLUS

Specifications

Input

Operating power provided by eBridge receiver
Power consumption: 1.5W

Coax

Throughput rated at 25Mbps at distances up to 500m
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

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

Physical and Environmental

Dimensions (H x W x D)
2.27" x 2.645" x 1.12" (57.7mm x 67.2mm x 28.4mm)

Weight (approx.)

Product Weight	0.22 lbs. (0.1 kg)
Shipping Weight	0.4 lbs. (0.18 kg)

Temperature

Operating
For 15W:	-40ºC to 75ºC (-40ºF to 167ºF)
For 30W:	-40ºC to 60ºC (-40ºF to 140ºF)
Storage	-40ºC to 75ºC (-40º to 167ºF)
Relative Humidity	85% +/-5%
Operating Altitude:	-304.8 to 2,000m