eBridge™ PLUS

Altronix®

eBridge100TM
IP and PoE/PoE+ over Coax
Hardened Transceiver

Description

Altronix eBridge100TM EoC hardened transceiver transmits data at 100Mbps, 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 eBridge100TM 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 300m. When paired with the eBridge100RM EoC Receiver, the eBridge100TM will pass 100Mbps full duplex data and PoE/PoE+ over CAT5e (or higher) up to 500m.

eBridge100TM

Key Features

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

- Passes 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 Receivers:

eBridge100RM -
IP and PoE/PoE+ over Coax or Extended Ethernet Cable Receiver
Transmits data at 100Mbps full duplex and power over Coax cable or extended CAT5e cable in a PoE+ compliant format. Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridgePlus Receivers -
eBridge400PCRM - Four (4) Port EoC Receiver
eBridge800PCRM - Eight (8) Port EoC Receiver
eBridge1600PCRM - Sixteen (16) Port EoC Receiver
Transmit IP video/data over coax up to 300m @ 100Mbps.
Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge800E - Eight (8) Port EoC Receiver with Integral PoE+ Switch
Provides 30W full power per port (240W max) over coax up to 300m @ 100Mbps.
Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE Approved.

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Specifications

Input

Operating power provided by eBridge receiver.
Power draw: 1.5W.

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.

Ethernet

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)
4.375" x 3.5" x 1" (111.1mm x 88.9mm x 25.4mm).

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 25W:	-40ºC to 60ºC (-40ºF to 140ºF).
For 30W:	-40ºC to 49ºC (-40ºF to 120.2ºF).
Storage	-40ºC to 75ºC (-40º to 167ºF).
Relative Humidity	85% +/-5%.
Operating Altitude:	-304.8 to 2,000m.