

eBridge100ST

IP and PoE/PoE+ over Coax Hardened Mini Transceiver

eBridge
PLUS

Altronix eBridge100ST 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 eBridge100ST 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.



eBridge100ST

Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W) compliant
- Throughput is rated to pass 100Mbps at distances up to 300m
- 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:****eBridge100RM - Single Port EoC Receiver****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) and 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) and PoE+ (IEEE 802.3at).

CE European Conformity.

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



eBridge100ST

IP and PoE/PoE+ over Coax Hardened Mini Transceiver



Specifications

Input

Operating power provided by eBridge receiver

Power consumption: 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

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 (W x L x H)

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: -40°C to 75°C (-40°F to 167°F)

For 30W: -40°C to 60°C (-40°F to 140°F)

Storage

-40°C to 75°C (-40° to 167°F)

Relative Humidity

85% +/-5%

Operating Altitude:

-304.8 to 2,000m

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