eBridge™

eBridge1CT
IP over Coax Transceiver

Altronix®

eBridge1CT

Description

Altronix eBridge1CT IP over Coax transceiver is designed for use with eBridge1CR, eBridge4CR, and eBridge16CR receivers to enable fast 10/100Base-T Ethernet digital communication over coax cable. This plug and play unit facilitates system upgrades from analog to IP cameras/devices utilizing existing legacy Coax and eliminating the costs and labor associated with installing new network cabling. In addition, data transmission is extended up to 610m (over five times the 100m Ethernet maximum length), eliminating the need for repeaters. eBridge units transmit Composite Video Signal with Ethernet data simultaneously.

Key Features

- IEEE 802.3af (15W).

- 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.

- Incorporates *sloc™ (Security Link over Coax) technology.

- 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 / Made in the U.S.A.

Compatible Receivers:

eBridge1CR
Single Port Ethernet Receiver
Transmits IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge4CR
Four (4) Port Ethernet Receiver
Transmits IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

eBridge16CR
Sixteen (16) Port Ethernet Receiver
Transmits IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

* sloc is a registered trademark of Intersil Corporation.

eBridge1CT
IP over Coax Transceiver

Specifications

Input

Voltage:
12VDC to 24VDC Class 2 power supply (polarity not observed) or 16VAC to 24VAC Class 2 plug-in transformer.

Power Consumption (under maximum load):
12VDC/275mA, 24VDC/110mA, 16VAC/375mA, 24VAC/200mA.

Ethernet

Connectivity: RJ45, auto-crossover.

Wire type: 4-pair Cat-5 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:	Power.

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.

C-Tick compliant.

Physical and Environmental

Dimensions (W x L x H)
2.5" x 3.8" x 1" (63.5mm x 96.52mm x 25.4mm).

Weight (approx.)

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

Temperature

Operating	-10ºC to 50ºC (14ºF to 122ºF).
Storage	-20ºC to 70ºC (-4º to 158ºF).
Relative Humidity	85% +/-5%.

Operating Altitude:
-304.8 to 2,000m (-1000 to 6,561.679 ft.).

BTU/Hr:	VDC: 1.69 - 4.46 BTU/Hr.
	VAC: 2.46 - 3.07 BTU/Hr.