Altronix®

Rev. 07112025

eBridge100RM

IP and PoE/PoE+ over Coax or Extended Ethernet Cable Receiver

eBridge PLUS

Altronix eBridge100RM, a versatile dual solution Ethernet receiver/media converter, transmits data at 100Mbps full duplex and power over Coax cable or extended CAT5e cable in a PoE+ compliant format. eBridge100RM is powered via a PoE midspan such as Altronix NetWay series or by an endspan. The receiver passes the PoE(+) compliant power over cable to the eBridge100TM/eBridge100ST transceiver which, in turn, passes this power to an enabled IP Camera/device. These plug and play units facilitate cost-effective solutions for IP devices that need to be installed at distances greater than 100m. They also provide a simple way to replace legacy analog products with new IP devices over existing coax or structured cable.



eBridge100RM

Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W)
- Transmits 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 European Conformity
- C-Tick compliant
- Lifetime Warranty

Compatible Transceivers:



eBridge100TM

eBridge100TM - **IP and PoE/PoE+ over Coax Hardened Transceiver**
Transmits data at 100Mbps and provides power in a PoE/PoE+ compliant format. UL/cUL Listed (UL60950-1). CE and C-Tick Approved.



eBridge100ST

eBridge100ST - **IP and PoE/PoE+ over Coax Hardened Mini Transceiver**
Transmits data at 100Mbps and provides power in a PoE/PoE+ compliant format. UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

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eBridge100RM

IP and PoE/PoE+ over Coax or Extended Ethernet Cable Receiver

Specifications

Input

Powered by midspan or endspan
PoE compliant to IEEE 802.3af (15W) and
PoE+ compliant to IEEE 802.3at (30W)

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

CAT5e or Higher

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)
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.)

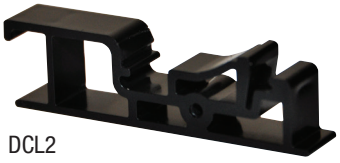
Product:	0.25 lb. (0.11 kg)
Shipping:	0.4 lb. (0.18 kg)

Temperature

Operating:	– 20ºC to 49ºC (– 4ºF to 120.2ºF)
Storage:	– 30ºC to 70ºC (– 22ºF to 158ºF)

Relative Humidity	85% +/– 5%
Operating Altitude	– 304.8 to 2,000m

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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