

eBridge100RM

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

Description

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 Approved.
- C-Tick compliant.
- Lifetime Warranty / Made in the U.S.A.

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

Weight (approx.)

Product Weight 0.25 lbs. (0.11 kg).
Shipping Weight 0.4 lbs. (0.18 kg).

Temperature

Operating -20°C to 49°C (-4°F to 120.2°F).
Storage -30°C to 70°C (-22°F to 158°F).

Relative Humidity 85% +/-5%.

Operating Altitude: -304.8 to 2,000m.