# Altronix®

## eBridge8E
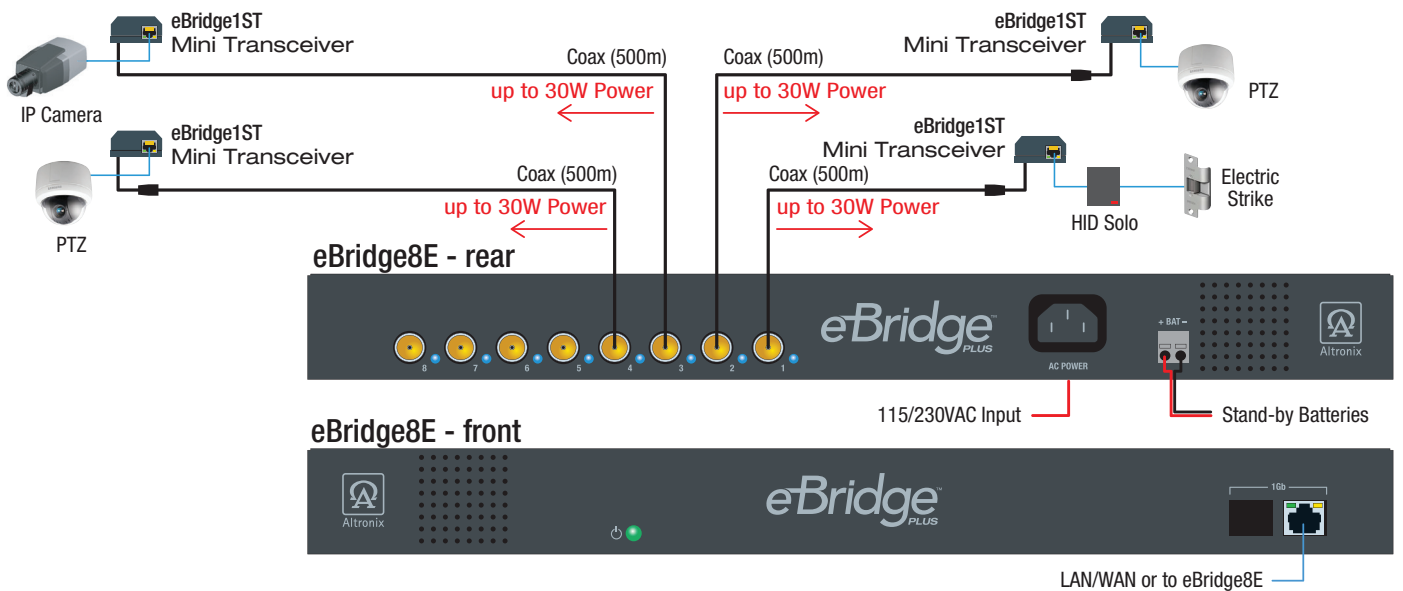### 8 Port PoE/PoE+ EoC Transceiver Switch

eBridge PLUS

Altronix eBridge8E is an all-in-one head-end solution for upgrading coax to IP that combines a PoE+ Switch and EoC Receiver into a single integrated unit for upgrading existing coax infrastructure and deploying the latest IP devices. This 8-Port Managed EoC Receiver with Integral PoE+ Switch provides 30W full power per port (240W max). Features also include an integral battery charger for applications requiring backup and embedded LINQ™ Technology to monitor, control, and report power and diagnostics from anywhere.

eBridge8E

## Key Features

- 8 ports provide 30W full power per port
- 240W total power
- IEEE 802.3at (30W), IEEE 802.3af (15.4W)
- 1Gb uplink (10/100/1000 Mbps)
- Each port rated at 25Mbps at distances up to 500m
- Built-in IP management allows for remote camera reset and monitoring
- Email and Windows Dashboard Alert notifications report real-time diagnostics
- Eliminates the costs and labor associated with installing new network cabling

- Retrofit digital IP cameras in an analog CCTV installation
- 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.
- Built-in battery charger
- UL Listed in the U.S. and Canada
- CE European Conformity
- Lifetime Warranty

## Typical Operation Diagram



eBridge1ST
Mini Transceiver

Coax (500m)
up to 30W Power

Coax (500m)
up to 30W Power

eBridge1ST
Mini Transceiver

PTZ

IP Camera

eBridge1ST
Mini Transceiver

eBridge1ST
Mini Transceiver

Coax (500m)
up to 30W Power

Coax (500m)
up to 30W Power

Electric
Strike

HID Solo

PTZ

eBridge8E - rear

eBridge PLUS

AC POWER

Altronix

115/230VAC Input

Stand-by Batteries

eBridge8E - front

Altronix

eBridge PLUS

1Gb

LAN/WAN or to eBridge8E

# Altronix®

## eBridge8E
### 8 Port PoE/PoE+ EoC Transceiver Switch

eBridge PLUS™

## Specifications

**Input**

| | |
|---|---|
| Voltage | 115VAC, 60Hz, 3A or 230VAC, 50/60Hz, 1.6A |
| Fusing | 6.3A/250V |

**Power Output**

8-ports maximum power: 30W full power per port (PoE+)
240W total power
Generates PoE/PoE+ up the coax to eBridge transceiver

**Ethernet over Coax**

Speed: 10/100BaseT, half/full duplex, auto negotiation
Each port rated at 25Mbps at distances up to 500m
With proper headend equipment multiple Megapixel cameras can be used

**Ethernet Uplink**

1Gb uplink (10/100/1000 Mbps)
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5 or better structured cable
Distance: up to 100m

**Battery Charging**

| | |
|---|---|
| Capacity | Four (4) 7AH/12VDC batteries (not included) |
| | *(requires separate RE2 rack battery enclosure)* |
| Type | Sealed lead acid or gel type |
| Failover | Upon AC loss, instantaneous |

Batteries are sold separately

**Indicators (LED)**

| | |
|---|---|
| **Input** | 115VAC or 230VAC is present |
| **Coax Link** | Connected |
| **RJ45** | IP Link status, 10/100Base-T/active |

**Agency Listings**

| | |
|---|---|
| UL/cUL | UL60950-1 |
| | (Information Technology Equipment) |
| CE | European Conformity |

**Physical and Environmental**

Dimensions (W x L x H)
  Enclosure:
    1.625" x 19.125" x 8.5" (42mm x 486mm x 216mm)
  Shipping:
    20.25" x 12.5" x 5.5" (514.4mm x 317.5mm x 139.7mm)

Weight (approx.)

| | |
|---|---|
| Product: | 6.0 lb. (2.72 kg) |
| Shipping: | 8.0 lb. (3.63 kg) |

Temperature

| | |
|---|---|
| Operating (60W): | – 10ºC to 50ºC (14ºF to 122ºF) |
| Storage: | – 30ºC to 70ºC (– 22º to 158ºF) |
| Relative Humidity | 85% +/– 5% |
| Operating Altitude | – 304.8 to 2,000m |

## Compatible Transceivers:



eBridge1PCTX

### eBridge1PCTX - Ethernet over Coax Transceiver
Transmits IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.



eBridge1ST

### eBridge1ST - Ethernet over Coax Mini Transceiver
Transmits IP video/data over coax up to 500m @ 25Mbps.
Supports PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.