# eBridge4SK
## EoC Receiver and PoE/PoE+ EoC Transceiver Switch (Kit)

eBridge4SPT
and eBridge100SPR

### Description

Altronix eBridge4SK kit consists of eBridge100SPR and eBridge4SPT Coax to CAT-5 Ethernet adapters/media converters that deliver data and power over coax cable. The paired set enables fast 10/100 Base-T Ethernet digital communication. eBridge4SPT allows to upgrade the existing infrastructure by replacing a single analog device with up to four (4) PoE/PoE+ devices. eBridge100SPR passes data and sends power over the coax to the eBridge4SPT. Data transmission and power over the Coax are possible up to 300m. Maximum range from headend to the PoE camera/device is 500m, taking into consideration that up to 100m of structured cable may be deployed at each end. eBridge4SK enables cost-effective system upgrades and eliminates the costs and labor associated with installing new network cabling.

### Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W) compliant.
- 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, and HD1080 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.

### Typical Application

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## Specifications

### Input

eBridge100SPR: 51-56VDC/60W max. power.
eBridge4SPT: powered by eBridge1SPR.

### Power Output

Four (4) PoE/PoE+ compliant ports.
Maximal total output is 60W.

### Ethernet

Four (4) ports.
Connectivity: RJ45, auto-crossover.
Wire type: 4-pair CAT5 or better structured cable.
Distance: up to 100m.

### Coax

Throughput is rated to pass 100Mbps of data at distances up to 300m.
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.
Yellow and Green LED (by RJ45 jack): IP Link status, 10/100Base-T/active.
eBridge100SPR only:
Green LED: Power.

### Agency Listings

UL/cUL: UL 60950-1 (Information Technology Equipment).
CE: European Conformity.
C-Tick compliant.

### Physical and Environmental

Dimensions (H x W x D)
eBridge100SPR:
4.375" x 3.5" x 1" (111.1mm x 88.9mm x 25.4mm)
eBridge4SPT:
1.75" x 5.25" x 9.25" (44.5mm x 133.4mm x 235mm).
Weight (approx.)
Product Weight: 3.1 lbs. (1.4 kg).
Shipping Weight: 3.9 lbs. (1.77 kg).
Temperature
Operating:
eBridge100SPR: -40ºC to 60ºC (-40ºF to 140ºF).
eBridge4SPT (60W): -40ºC to 75ºC (-40ºF to 167ºF).
Storage: -40ºC to 75ºC (-40ºF to 167ºF).
Relative Humidity: 85% +/-5%.
Operating Altitude: -304.8 to 2,000m.