

eBridge4SPT
and eBridge1SPR**eBridge**
PLUS

Overview

The eBridge4SK kit consists of an eBridge1SPR and eBridge4SPT which are 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 you to upgrade your existing infrastructure by replacing a single analog device with up to four (4) PoE/PoE+ devices. eBridge1SPR passes data and sends power over the coax to the eBridge4SPT. Data transmission and power over the Coax is possible up to 457m. Maximum range from head end to the PoE camera/device is 610m taking into consideration that up to 100m of structured cable may be deployed at each end. Built-in IP management allows for remote camera reset, monitoring and reporting via various IP protocols. eBridge4SK enables cost-effective system upgrades and eliminates the costs and labor associated with installing new network cabling.

Specifications

Input:

- eBridge1SPR - 51-56VDC/100W @ max. power.
- eBridge4SPT - powered by eBridge1SPR.

Power Output:

- eBridge4SPT: 4 ports PoE+ (30W) per port.
- Total output power: 95W.

Ethernet:

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair Cat-5 or better structured cable.
- Distance: up to 100m.
- Speed: 10/100BaseT, half/full duplex, auto negotiation.

Coax:

- Distance: up to 457m.
- Connectivity: BNC, RG-59/U or similar.
- Throughput is rated to pass 25mbps of data at distances up to 457m with proper headend equipment which supports Megapixel, HD720, HD1080.

LED Indicators:

- Blue LED - Coax link connection.
- Green LED - Power (eBridge1SPR only).
- Yellow and Green LED (RJ45) IP Link status, 10/100Base-T/active.

Environmental:

- Operating Temperature: 14°F to 122°F (-10°C to +50°C).
- Storage Temperature: -22° to 158°F (- 30° to +70°C).
- Humidity: 20 to 85%, non-condensing.
- Operating Altitude:
– 1000 to 6,561.7ft. (–304.8 to 2000m)

Applications:

- Retrofit digital IP cameras in an analog CCTV installation (up to four (4) IP cameras expansion per analog camera).
- Works with Megapixel, HD720, HD1080 and VGA (SD) cameras.
- Extend Network link distance in an industrial environment.
- Upgrade deployed CCTV Coax to a digital network in Retail, Hospitality, Arenas, Casinos, Airports, Schools, Hospitals, Transportation, etc.

Mechanical:

- Dimensions (H x W x D approx.):
eBridge1SPR:
4.375" x 3.5" x 1" (111.125mm x 88.89mm x 25.4mm)
eBridge4SPT:
1.7" x 5.23" x 8.93" (43.18mm x 132.84mm x 226.82mm)

Agency Approvals

UL/CUL Listed for Information
Technology Equipment (UL 60950-1).

European Conformity



C-Tick Compliant - Z1409