

# Pace1STR

## IP and PoE+ over Extended Distance CAT5e Solution

### Description

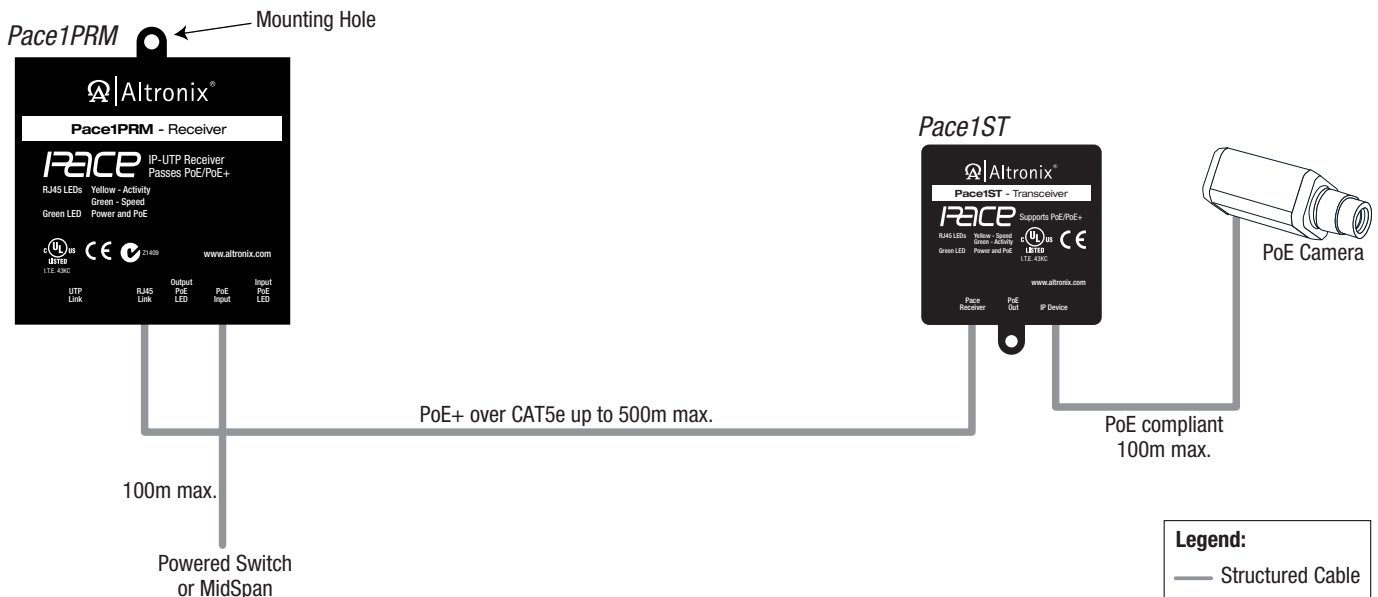
Altronix Pace1STR is a long range Ethernet adapter kit that transmits data at 100Mbps full duplex and power via CAT5e or higher cable in a PoE(+) compliant format. The Pace1PRM receiver is powered via a PoE midspan, such as the Altronix Netway series, or by an endspan. The receiver passes the PoE(+) compliant power over the cable to the Pace1ST mini 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.



### Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W).
- Throughput is rated to pass 100Mbps at distances up to 500m.
- 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.
- Retrofit digital IP cameras in an analog CCTV CAT5e wired installations.
- UL Listed in the U.S. and Canada.
- CE Approved.
- Lifetime Warranty / Made in the U.S.A.

### Typical Operation Diagram





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### Specifications

#### Input

Pace1PRM: Powered by midspan or endspan.  
Pace1ST: Powered by Pace1PRM.

#### Ethernet

Connectivity: RJ45, auto-crossover.  
Wire type: 4-pair CAT5 or better structured cable.  
Speed: 10/100BaseT, half/full duplex, auto negotiation.  
Distance: up to 500m.  
Throughput is rated to pass 100Mbps of data.  
With proper headend equipment multiple Megapixel cameras can be used.

#### Indicators (LED)

Green LED: PoE ON.  
Yellow and Green LED (by RJ45 jack):  
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)

Pace1PRM:  
3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm).  
Pace1ST:  
2.27" x 2.645" x 1.12" (57.66mm x 67.18mm x 28.44mm).

##### Weight (approx.)

Product Weight 0.4 lbs. (0.18 kg).  
Shipping Weight 1 lbs. (0.45 kg).

##### Temperature

Operating:  
Pace1PRM: -20°C to 49°C (-4°F to 120.2°F).  
Pace1ST:  
For 15W: -40°C to 75°C (-40°F to 167°F).  
For 30W: -40°C to 49°C (-40°F to 120°F).

Storage: -40°C to 75°C (-40° to 167°F).

Relative Humidity 85% +/-5%.

Operating Altitude: -304.8 to 2,000m.