



Pace1STR



### **Overview**

Pace1STR is a long range Ethernet adapter kit which 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.

### **Specifications**

#### **Input (Pace1PRM):**

- Powered by midspan or endspan.  
PoE compliant to IEEE 802.3af (15W) and  
PoE+ compliant to IEEE 802.3at (30W).

#### **Ethernet:**

- Connectivity: RJ45, auto-crossover.
- Wire type: 4-pair CAT5e or higher.
- Distance: up to 457m (1,500 ft.).
- Speed: 10/100BaseT, half/full duplex, auto negotiation.  
PoE compliant to IEEE 802.3af (15W) and PoE+  
compliant to IEEE 802.3at (30W) delivered to  
camera by Pace1ST. Power provided by  
Pace1PRM to Pace1ST by PoE protocol.
- Throughput is rated to pass 100mbps of data at  
distances up to 457m (1,500 ft.). With proper headend  
equipment this supports Megapixel, HD720, HD1080.

#### **CAT5e or Higher:**

- Distance: up to 457m (1,500 ft.) @ 100mbps.

#### **LED Indicators:**

- Pace1PRM/Pace1ST:  
Green - PoE ON (by respective RJ45 jack).
- Pace1PRM and Pace1ST (RJ45 jack):  
Yellow and Green LED IP Link status,  
10/100Base-T/active.

#### **Environmental:**

##### **Operating Temperature:**

**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 65°C (-40°F to 149°F)

##### **Storage Temperature:**

-40°C to 75°C (-40°F to 167°F)

- Relative humidity: 20 to 85%, non-condensing.

#### **Functions:**

- Auto detection and protection of legacy  
non-PoE cameras/devices.

#### **Applications:**

- Retrofit digital IP cameras in an analog CCTV  
CAT5e installations.
- Extend Network link distance in an industrial  
environment over 610m.
- Works with Megapixel, HD720, HD1080 and VGA  
(SD) cameras with proper headend equipment.

#### **Mechanical:**

- Dimensions (W x L x H approx.):

##### **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).

- Product weight : 7.41 oz. (0.21 kg).
- Shipping weight: 13 oz. (0.37 kg).

### **Agency Approvals**



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



European Conformity