Pace1PRMT

IP and PoE+ over Extended Distance CAT5e or UTP Solution

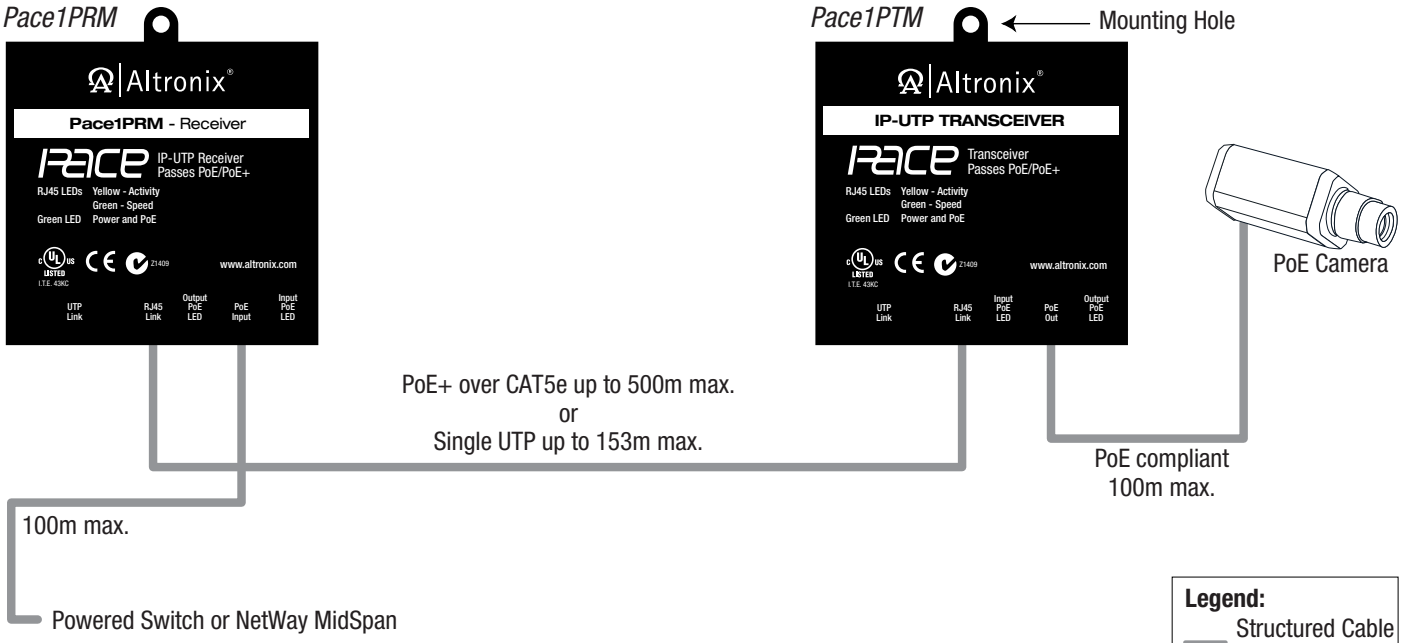
Description

Altronix Pace1PRMT is a long range Ethernet adapter kit which transmits data at 100mbps full duplex and power via a single twisted pair (UTP) or CAT5e or higher cable in a PoE(+) compliant format. 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 Pace1PTM 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. They also provide a simple way to replace legacy analog products with new IP devices over single twisted pair (UTP) or structured cable.

Key Features

- IEEE 802.3af (15W) and IEEE 802.3at (30W).
- Throughput is rated to pass 100Mbps.
- 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.
- C-Tick Compliant.
- Lifetime Warranty / Made in the U.S.A.

Typical Operation Diagram



Pace1PRMT
IP and PoE+ over Extended Distance CAT5e or UTP Solution

Specifications

Input

Pace1PRM: Powered by midspan or endspan.
PoE compliant to IEEE 802.3af (15W) and
PoE+ compliant to IEEE 802.3at (30W).

Pace1PTM: Powered by Pace1PRM.

Ethernet

Connectivity: RJ45, auto-crossover.

Wire type: 4-pair Cat-5 or a single twisted pair UTP.

Distance:

CAT5e: up to 500m.

UTP: up to 152m.

Throughput is rated to pass 100mbps of data.

With proper headend equipment multiple Megapixel cameras can be used.

Speed: 10/100BaseT, half/full duplex, auto negotiation.

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.

C-Tick compliant.

Physical and Environmental

Dimensions (W x L x H)

Pace1PRM and Pace1PTM:
3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm).

Weight (approx.)

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

Temperature

Operating:

Pace1PRM: -20ºC to 49ºC (-4ºF to 120.2ºF).
Pace1PTM: 15W: -40ºC to 75ºC (-40ºF to 167ºF)
25W: -40ºC to 70ºC (-40ºF to 158ºF)
30W: -40ºC to 60ºC (-40ºF to 140ºF)

Storage: -40ºC to 75ºC (-40º to 167ºF).

Relative Humidity 85% +/-5%.

Operating Altitude: -304.8 to 2,000m.