Pace1PTM

IP and PoE+ over Extended Distance CAT5e or UTP Transceiver

Pace1PTM

Description

Altronix Pace1PTM is a long range Ethernet transceiver designed for use with Pace1PRM, Pace4PRM, Pace8PRM, and Pace16PRM receivers. They transmit data at 100Mbps full duplex and power via a single twisted pair (UTP - when paired with Pace1PRM) or CAT5e or higher cable in a PoE(+) compliant format. Pace1PTM will not deliver power to non-compliant devices, thus avoiding damage to improperly connected non-PoE cameras/devices. The receiver passes the PoE(+) compliant power over the cable to the 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) (when paired with Pace1PRM) 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.

Compatible Receivers:

Pace PRM Series Receivers
Up to Sixteen (16) Port IP and PoE+ Receivers
Transmit IP video/data over CAT5e up to 500m @ 100Mbps.
Support PoE (IEEE 802.3af) or PoE+ (IEEE 802.3at).
UL/cUL Listed (UL60950-1). CE and C-Tick Approved.

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Specifications

Input
Powered by Pace receiver.

Ethernet
Connectivity: RJ45, auto-crossover.
Wire type: 4-pair CAT-5 or a single twisted pair UTP.
Distance:

CAT5e: up to 500m.
UTP (paired with Pace1PRM only): 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)
  3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm).

Weight (approx.)

Product Weight:	0.25 lbs. (0.11 kg).
Shipping Weight:	0.42 lbs. (0.19 kg).

Temperature
  Operating:

For 15W:	-40ºC to 75ºC (-40ºF to 167ºF).
For 25W:	-40ºC to 70ºC (-40ºF to 158ºF).
For 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.