Pace1ST

IP and PoE+ over Extended Distance CAT5e Hardened Mini Transceiver

Description

Altronix Pace1ST 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 Cat5e or higher cable in a PoE(+) compliant format. Pace1ST 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 Pace1ST 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.

Pace1ST

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

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 CAT5 or better structured cable.

Distance: up to 500m.

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.

Physical and Environmental

Dimensions (W x L x H)
2.27" x 2.645" x 1.12" (57.7mm x 67.2mm x 28.4mm).

Weight (approx.):

Product Weight	0.22 lbs. (0.1 kg).
Shipping Weight	0.4 lbs. (0.18 kg).

Temperature

Operating:
For 15W:	-40ºC to 75ºC (-40ºF to 167ºF).
For 30W:	-40ºC to 49ºC (-40ºF to 120ºF).
Storage:	-40ºC to 75ºC (-40º to 167ºF).

Relative Humidity	85% +/-5%.
Operating Altitude:	-304.8 to 2,000m.