

Pace1KL

10Base-T1L, IEE802.3cg Ethernet Media Adapter



Altronix Pace1KL is a SPE (Single Pair Ethernet) media converter/adapter that enables connecting 10Base-T1L, IEE802.3cg compliant devices such as Security/Industrial/BMS/Elevators/HVAC Controllers and sensors, etc. to an Ethernet network. Long distance headend to remote-end device cabling can be achieved to over 1km (1,000m, 3,280 ft.).

In addition to new SPE (UTP) Ethernet network installations, upgrading of legacy networks, i.e. LONworks, RS485, 4-20mA Control Loops, etc. can be achieved by using the existing two wire cabling, thus saving rip-out & reinstallation costs.

Operationally, the Pace1KL is connected to a POE midspan/endspan switch at the headend and passes network data from the switch via UTP up to 1km (1,000m, 3,280 ft.) to the remote T1L device.



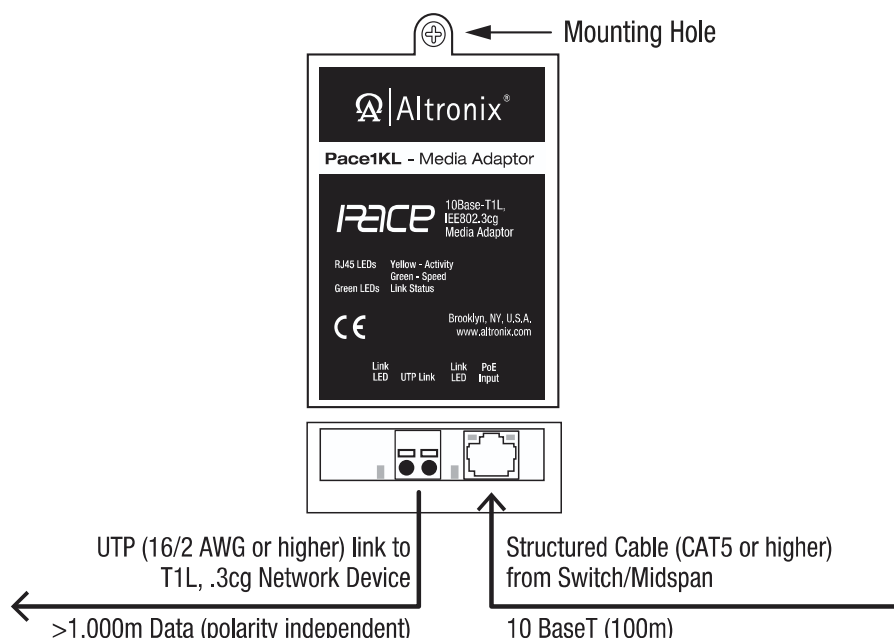
Pace1KL

For adapter powered via 12/24 VDC or VAC power source, see model Pace1KLDC

Key Features

- Provides SPE (single pair Ethernet) over UTP (twisted pair) or 16/2 AWG or higher wire up to 1km (3,280 ft.)
- Utilize twisted pair for new installations or retrofit of IP devices over existing twisted pair cabling
- SPE Two Wire port: 10Base-T1L, IEE802.3cg protocol 10Mbps
- Ethernet port: 10/100BaseT, half/full duplex, auto negotiation
- Extends Network link distance in an industrial environment
- Building Automation, Surveillance & Security, BMS & HVAC, Elevators
- CE European Conformity
- Lifetime Warranty

Typical Application Diagram



Lifetime Warranty

Specifications

Input

Powered by PoE midspan or endspan

SPE (Single Pair Ethernet) over UTP or 16/2 AWG or Higher Link

Wire type: Twisted pair (2-wire, UTP)
Distance: 1km (1,000m, 3,280 ft.) @ 10Mbps

Ethernet

Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5e or higher
Distance: up to 100m from midspan
Speed: 10/100BaseT, half/full duplex, auto negotiation

Indicators (LED)

Green LED (right):
Data transmission (link) over SPE
Yellow and Green LED (by RJ45 jack):
IP Link status, 10/100Base-T/active

Agency Listings

CE European Conformity

Physical and Environmental

Dimensions (W x L x H)

Enclosure: 2.5" x 3.8" x 1" (63.5mm x 96.5mm x 25.4mm)
Shipping: 8" x 6" x 5" (203.2mm x 152.4mm x 127mm)

Weight (approx.)

Product: 0.22 lb. (0.1 kg)
Shipping: 0.4 lb. (0.18 kg)

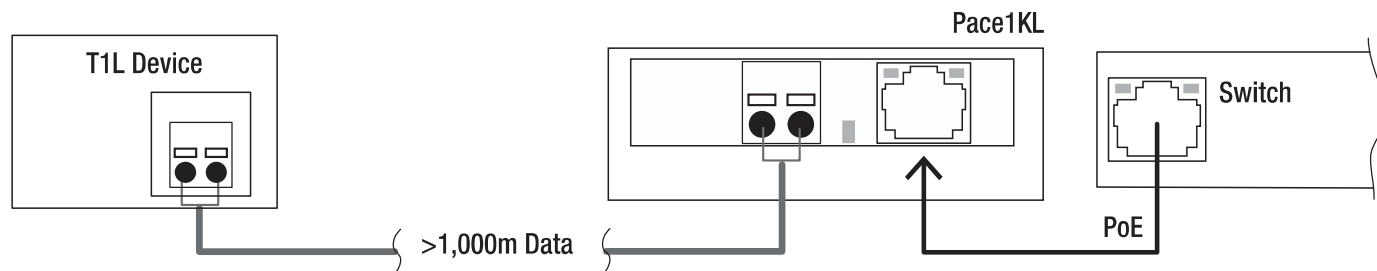
Temperature

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

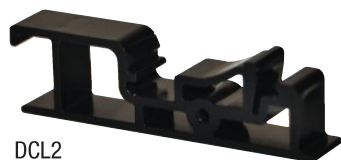
Relative Humidity 85% +/- 5%

Operating Altitude -304.8 to 2,000m

Typical Operation Diagram



Accessories



DCL2 - DIN Rail Mounting Clip

Allows for easy installation of Altronix adapters utilizing screw mounting holes to mount on a standard DIN rail (Altronix Din Rail models D10, D12, D19, or D24).

Lifetime Warranty