

Pace3KL

Three Port Single Pair 10Base-T1L, IEE802.3cg
Ethernet Media Adapter/Switch



Altronix Pace3KL is a SPE (Single Pair Ethernet) 3-port T1L Media Adapter/Switch that enables connecting up to three (3) 10Base-T1L, IEE802.3cg compliant devices such as Security/Industrial/BMS/Elevators/HVAC Controllers and sensors, etc. to an Ethernet network. Long distance headend switch to remote-end device cabling can be achieved to over 1km (1,000m, 3,280 ft.). The Pace3KL can be used in a typical star configuration or as a multi-point dropoff node configuration.

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 Pace3KL is connected to a PoE midspan/endspan switch at the headend and can be powered by the PoE port or 12/24VDC power supply. Pace3KL passes network data from the switch via UTP up to 1km (1,000m, 3,280 ft.) to the remote T1L devices.

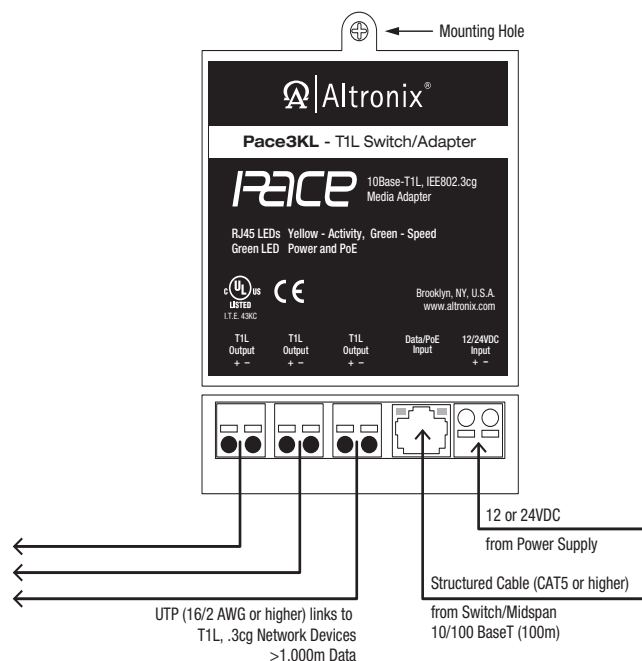


Pace3KL

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 ports: 10Base-T1L, IEE802.3cg protocol 10Mbps
- Ethernet port: 10/100BaseT, half/full duplex, auto negotiation
- Allows for Star or Multi-Point Drop Off configuration
- Extends Network link distance in an industrial environment
- Building Automation, Surveillance & Security, BMS & HVAC, Elevators
- UL Listed in the U.S. and Canada
- CE European Conformity
- Lifetime Warranty

Typical Application Diagram



Lifetime Warranty

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Ethernet Media Adapter/Switch



Specifications

Input

- Can be powered either by
 - PoE midspan or endspan or
 - 12/24VDC power supply
 (1.25W; 105mA @12VDC, 51mA @ 24VDC)
- If both power sources are used, external 12/24VDC power supply will be preferenced to optimize power usage

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

- Three (3) 10Base-T1L ports
- 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)

- Yellow and Green LED (by RJ45 jack):
IP Link status, 10/100Base-T/active

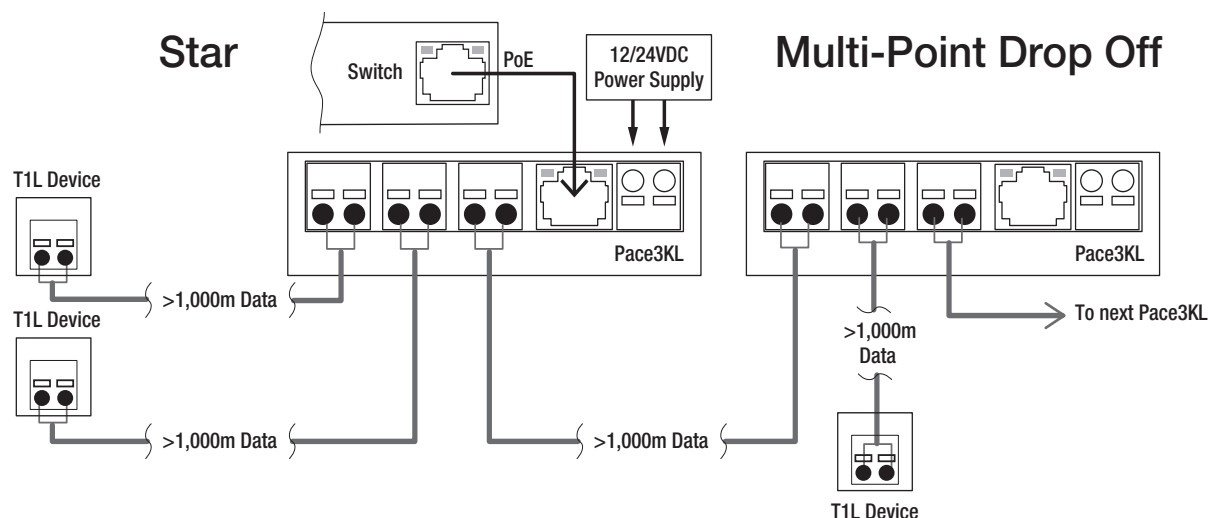
Agency Listings

- UL/cUL UL 62368-1
(Audio/Video, Information and Communication Technology Equipment)
- CE European Conformity

Physical and Environmental

- Dimensions (W x L x H)
 - Enclosure: 3.5" x 3.5" x 1" (88.9mm x 88.9mm 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