Altronix®

Pace

DEPLOY T1L 802.3cg DEVICES UTILIZING SINGLE PAIR ETHERNET (TWO WIRE) INFRASTRUCTURE

UPGRADE EXISTING OR NEW SINGLE PAIR (SPE) SYSTEMS

- Ideal solution for industrial controllers, building/factory automation, intercoms/call systems, HVAC, temperature sensors, and more.
- Greatly reduce labor & cost when repurposing existing single pair infrastructure eliminating the cost of deploying a remote power supply at 1000m+
- SPE has all the benefits attached to Ethernet; noise immunity, error correction schemes, standard link connection protocols, encrypting...
- Pace™ enables connecting 10Base-T1L, IEE802.3cg compliant devices to the network, at distances up to 1000m+ (at 10Mbps)

Pace1KL
Single Port T1L-SPE Adapter (Powered via PoE)
Pace1KLDC
Single Port T1L-SPE Adapter (Powered via 12/24V)

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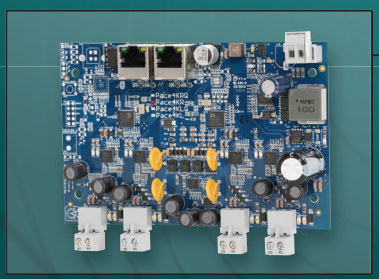
Pace3KL
3-Port T1L-SPE Adapter/Switch (Powered via PoE or 12/24VDC)
Pace3KLC
3-Port T1L-SPE Adapter (Powered via 12/24V)
Pace32KLC
3-Port T1L-SPE Adapter with Fail-Safe Crossover (Powered via 12/24V)

Pace1KL12S
Single Port T1L-SPE **12VDC** Adapter (used with Pace1KR Receiver)
Pace1KL24S
Single Port T1L-SPE **24VDC** Adapter (used with Pace1KR Receiver)

*Pace adapters are DIN Rail mountable by utilizing Altronix **DCL2** adapter clip.*



Pace4KL(Q)
4-Port T1L-SPE Adapter/Switch (Powered via 12/24VDC)

Pace4KLQ features built-in LINQ™ Network Power Management which facilitates remote monitoring, reporting, and control of power/diagnostics.

Altronix UL Listed T1L Long Distance Link Solutions:

For installations that need to connect to a T1L compliant remote device,
Altronix offers the following Plug & Play solutions with flexible input power options:

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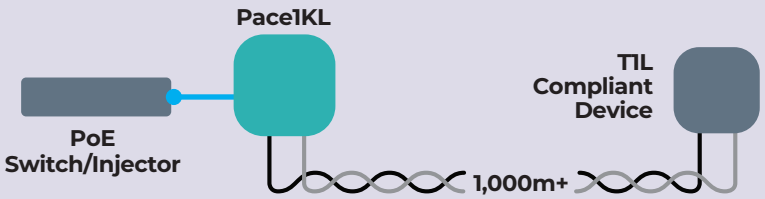
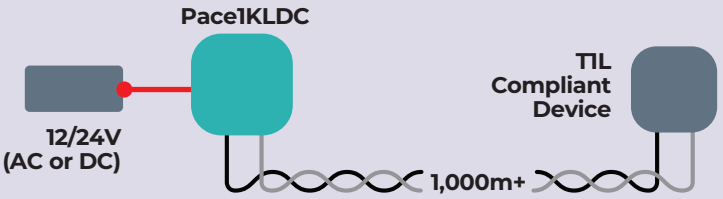
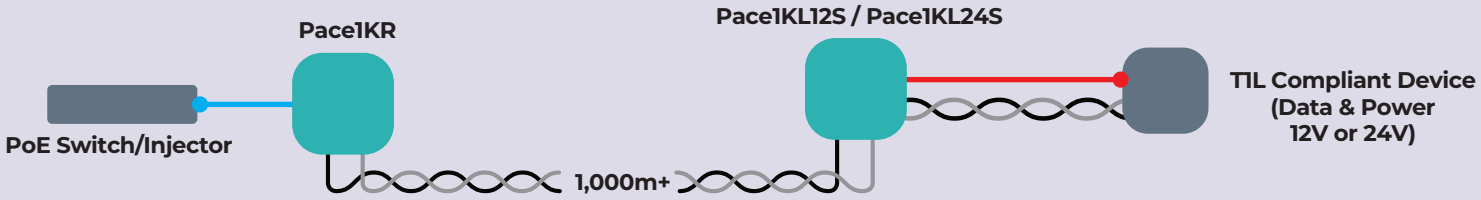
Pace1KL: For point-to-point cable link (T1L Data Link)



Pace1KLDC: For point-to-point cable link (T1L Data Link)

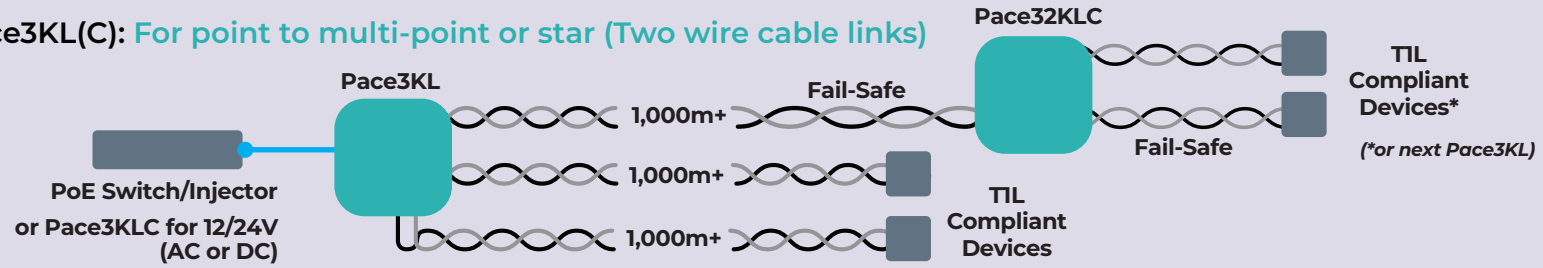


Pace1KRL12S (12V) | Pace1KRL24S (24V) For point-to-point cable link (T1L Data & Split Power Link):



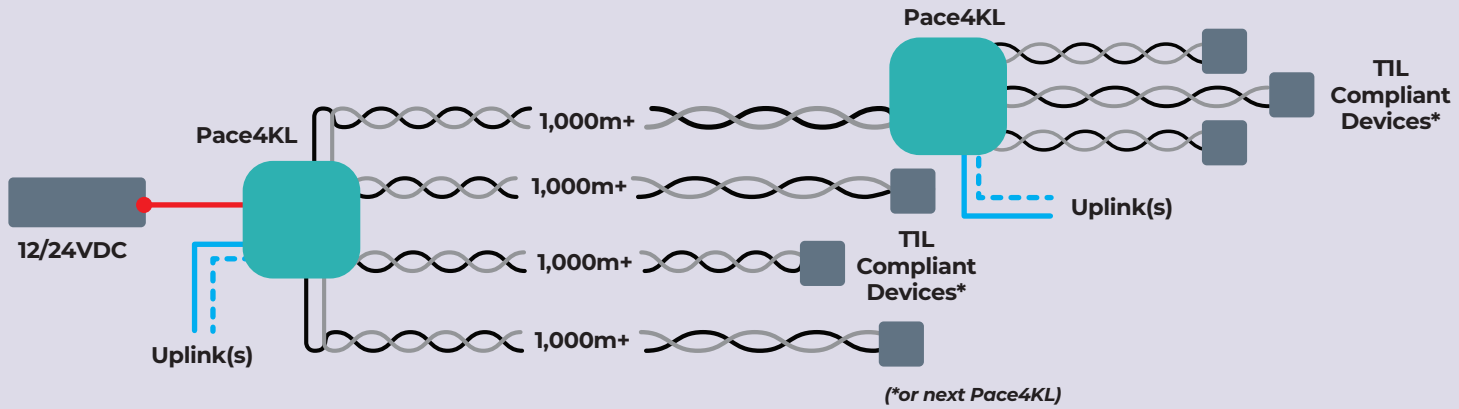
The above setup allows standard T1L data to communicate directly with the T1L remote device, but also splits out 24VDC (Pace1KL12S for 12VDC) to power the same device, thus saving a remote power supply. Since 802.3cg SCCL SPoE/PoDL capable devices are not popular, the above setup facilitates power for any T1L device that is powered by 12V or 24V, as currently are more popular on the market.

Pace3KL(C): For point to multi-point or star (Two wire cable links)



The above scheme shows the first Pace3KL(C) in a typical star configuration, while the second Pace3KL(C) shows how to configure for a continued multi-point drop-off using additional T1L switch to connect T1L compliant devices in multiple locations. Model Pace32KLC has two outputs with Fail-safe crossovers providing redundant connectivity.

Pace4KL(Q): For Multi-point-to-multi-point cable link (PoE+ and data link)



The Pace4KL T1L adaptor/switch can connect directly to up to four 3cg, T1L devices and feature dual network uplink ports. An additional Pace4KL can be added to the remote end to connect more compliant devices. Network managed versions allow for control, monitoring, and reporting of power diagnostics and feature a single network uplink port.