INVENCO LINK

L1-100 Node and L3-100 Hub

In any high-speed network upgrade the installation of in-ground or in-wall wiring can be a significant cost. Invenco Link enables you to upgrade without digging up the ground or replacing any wire. Designed for high-reliability environments – it comes in two configurations to support a wide range of network topologies: the L1-100 node with two Ethernet ports, and the L3-100 hub with four Ethernet ports. The L3-100 hub can connect with up to 16 L1-100 nodes.

Invenco Link is the most cost-effective option to have Ethernet and Serial running concurrently over the same cable.

Upgrade your network to high-speed Ethernet with the wiring you have.

KEY FEATURES

- Ethernet and Serial run concurrently on your existing wiring
- Makes use of any copper wiring including power line, twisted pair, coaxial
- Based on IEEE 1901 (high definition powerline communication) - with AES 128 encryption
- Supports multiple network topologies –including line, tree, star and ring
- Node (1 port) and Hub (16 port) available
- Transparent connection between LAN devices
- Designed, built and tested to industrial specifications

KEY BENEFITS

- Seamless upgrade from legacy applications to EMV applications - no rewiring required
- Dramatically reduces the cost of a network upgrade
- High QoS and High Speed (up to 200 Mbps PHY rate over a 100m span)
- Able to support a high-speed network of any size, with individual links spanning hundreds of metres
- Install into harsh environments with high reliability
- Consolidation of network transactions through a single channel
- No set up needed for other devices on your network
- No need to dig up pavement or rip apart walls to reinstall wiring

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INVENCO LINK L1-100 SPECIFICATIONS

GENERAL

Power Supply	24V 310%, ≥0.2A
Ports	• 2x 10/100Mbps Ethernet • 2x RS232 • Invenco Link Line in/out • Legacy communications
Water/Dust Protection	• IP20
Size	110mm (w) x 40mm (h) x 105mm (d)
Operating Temperate Range	-40°C to +70°C
Storage Temperature Range	-40° to +85°C
Humidity	15% to 95% non-condensing
Approvals	• UL Class 1 Div 2 • FCC

RS485 TO DUAL RS232 CONVERTER

Functions	• Either RS232 port to RS485 auto transmit • RS485 to both RS232 when transmitter idle • Intended for use at 9600bps • Converter can be utilised independent of the Invenco Link Line Protocol
Ports	• 2x RJ45 RS232 ports • RS485 via Molex 6pin legacy communications port

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INVENCO LINK L1-300
SPECIFICATIONS

GENERAL

Power Supply	24V 310%, ≥0.2A
Ports	• 4x 10/100/1000Mbps Ethernet • 16x Invenco Link Line in/out • 16x Legacy communications
Water/Dust Protection	• IP20
Size	305mm (w) x 125mm (h) x 30mm (d)
Operating Temperate Range	-40°C to +70°C
Storage Temperature Range	-40° to +85°C
Humidity	15% to 95% non-condensing
Approvals	• FCC • UL

INVENCO LINK TO ETHERNET BRIDGE

Functions	• 10/100/1000Mbps Full Duplex Switch keeps local traffic off Invenco Link Network • Up to 200Mbps combined Invenco Link Network bandwidth over legacy twisted pair wiring • Legacy communications unaffected by broadband signal • Connection established LED per Invenco Link port
Ports	• RS485 ≤9600bps • Current Loop ≤1200bps

UNDERSTAND THE INVENCO DIFFERENCE

Invenco is a global provider of revolutionary self-service payment technology and secure customer engagement solutions. With a strong presence in the petroleum retail vertical, Invenco's product lines include G6 and G7 Outdoor Payment Terminals, iNFX retail micro-services (including electronic payment server), cloud services and Invenco Link, a high-speed Ethernet enabling device. In 2018 Invenco introduced i2, the world's first outdoor EMV as a service, to help US fuel retailers avoid the EMV liability shift without the burden of a large upfront investment. Invenco has deployed over 100,000 EMV payment terminals engaging millions of customers every day. Invenco is headquartered in Auckland, New Zealand and operates offices in the U.S., Canada, Malaysia and the UK.