

Link₂-SENSOR

Rugged Wireless Instrument Transmitter

Overview

The Link2-Sensor wireless device transceiver provides reliable and simple to use wireless connectivity for instruments via wireless communications enabling data from remote field teams to be instantly transmitted to a central monitoring system without having the need to deploy a field based radio system.

The Link2-Sensor is a rugged IP65 rated devices that connects directly to an instrument, to send and receive data from the RemoteDNA network. The unit contains an integrated GPS receiver to provide location awareness of remote operations to command centers.

The Link2-Sensor Highlights

Smart Instrument Device Server

The Link2-Sensor provides a smart instrument interface that has the ability to communicate with over 70 instruments from leading manufacturers. The Link2-Sensor can be configured to communicate via USB, RS232 (serial), and 4to20ma. The Link2-Sensor reads and interprets important measurements, alarms, and the device status. This data is encrypted and transmitted in a low bandwidth format to compatible remote monitoring systems such as RemoteDNA's Web Portal or Thermo ViewPoint.

Locational Awareness

In addition to providing detailed instrument data, the Link2-Sensor has an integrated GPS to give location information. This provides real-time situational awareness of your remote deployment teams.

Versatile Device

The Link2-Sensor's rugged enclosure is IP65 rated for outdoor use and has several mounting options. This versatility allows for outdoor instrument monitoring in Environmental and industrial applications. Radio options for include GSM broadband cellular, 900MHz and 2.4GHz long range wireless.

Compatible Instruments

The Link2-Sensor is compatible with many instruments manufactured by Thermo Fisher Scientific Inc., Canberra, ICx/FLIR Systems Inc., MGP Instruments/Mirion Technologies, Ludlum Measurements Inc., Oldham, Overhoff Technology, SAIC and Zephyr Technology Corporation. The current list of supported instruments is always growing so don't hesitate to ask if your instrumentation can be configured to work with the Link2-Sensor.



FEATURES

SENSOR AGNOSTIC

Over 70 compatible Instruments

INTEGRATED GPS

For GIS mapping and locations tracking

ONBOARD DATA STORAGE

Guaranteed data availability when wireless networks are unavailable

LOW POWER OPERATION

Low power requirements for mobility and solar power applications

WIRELESS OPTIONS

GSM quad-band cellular
900Mhz (USA, Canada, Australia)
2.4GHz (worldwide)

SOLACE ROUTER COMPATIBLE

ANSI Standard N42.42
NEIM N25 messaging
Mission Critical Messaging (MCM)



Link₂-SENSOR

TECHNICAL SUPPORT

RemoteDNA provides the best technical support in the business. If you need technical assistance, we make it our number one priority to help solve the problem.

REMOTEDNA PORTAL

The Link2-Sensor is easily setup and integrated in the one of RemoteDNA's management software packages. This solution allow you to view sensor data, alarms, locations and analyze sensor data from a user friendly interface.

CUSTOM SOLUTIONS

The Link2-Sensor works as a stand alone product or part of a multi-device custom solution.

For more information on any of our products or services please visit us on the Web at: www.remotedna.com

Specifications

Radio Options	900 MHz	Licensed for use in USA, Canada and Australia
		Range (indoor/urban): Up to 3000 feet (900 m)
		Range (outdoor/line of sight): Up to 14 miles (22 km)
	2.4 GHz	Encryption: 256-bit / 128-bit AES
		Licensed for worldwide use
		Range (indoor/urban): 450-900 feet (137-275 m)
Range (outdoor/line of sight): Up to 6 miles (9.6 km)		
Cellular Radio	Encryption: 256-bit / 128-bit AES	
	Quad-band cellular for worldwide use Accepts standard SIM card	
Power Requirements	Supply Voltage	7-36V
General	Dimensions	(L x W x H) 12.1cm x 7.4cm x 3.9cm
	Weight	Lbs. oz.
	IP / NEMA Rating	IP65 rated enclosure and components
	Case Material	Durable, impact-resistant UV Stabilized Polycarbonate material
	Operating Temperature	-40°C to 85° C
External Connections	6 Pin Connector	DC power, RS232 and two 4to20ma connections
	USB	USB instrument connectivity and firmware updates
	SMA	External antenna for wireless radio
	Power Switch	



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