

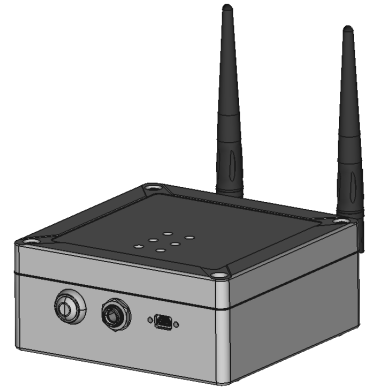
Link2-Repeater

Wireless Repeater Bridge

Overview

The Link2-Repeater is a wireless repeater radio that combines two wireless transceivers to increase the wireless range of in-field wireless devices, sensors and instrumentation using compatible radios. The Link2-Repeater is an IP67 rated device suitable for indoor and outdoor use.

The Link2-Repeater is powered externally by a supplied power adapter, USB or can be powered by an internal lithium ion backup battery for continued operation during power outages.



FEATURES

INCREASE RANGE

The Link2-Repeater increases the wireless range by repeating and bridging data between wireless networks.

SOFTWARE

CONFIGURATION

Easy to setup and configure using any PC with a USB port

POWER OPTIONS

Powered through 12V DC, USB or internal lithium ion battery

WIRELESS OPTIONS

900MHz (USA, Canada, Australia)
2.4GHz (worldwide)

SYSTEM INTIGRATION

Once configured, the Link2-Repeater can be dropped into existing wireless networks without any additional software.

The Link2-Repeater Highlights

Wireless Range

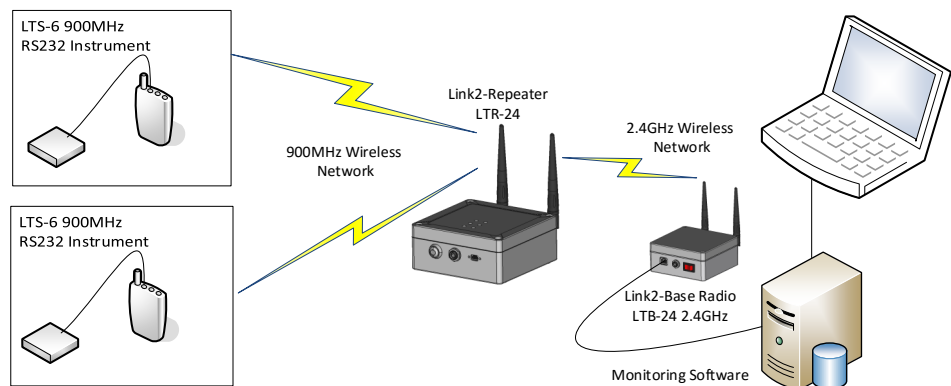
The Link2-Repeater increases the wireless footprint of instruments and devices by enabling you to strategically locate wireless repeaters which pass data along to other radios that might otherwise be out of range. The Link2-Repeater houses two radio modules, one for receiving and another for transmitting, both 900MHz or 2.4GHz, allowing data to be bridged from one radio system to another.

Power Versatility

The Link2-Repeater can be powered through the external DC power jack, external miniUSB port or through the internal lithium ion battery. All external power connections are IP67 rated for outdoor use.

USB Configuration

In addition to being powered via the external miniUSB port, the Link2-Repeater settings are configured through the miniUSB port. The Link2-Repeater is configured and programmed via an internal 32-bit RISC CPU for increased versatility and simple user interface.



Link2-Repeater

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-Repeater 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-Repeater 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	Digi XSC FCC: MCQ-XBPS3B	Frequency: 902 MHz– 928 MHz (FHSS)
		Range (outdoor/line of sight): Typically up to 1 mile with regular dipole antenna, appropriate height above ground to allow for Fresnel zone.
	Power Output: Up to 250mW	
	RFM WIT2410 FCC: HSW-2410M	Frequency: 2400-2483 (FHSS)
Range (outdoor/line of sight): Typically up to 1 mile with regular dipole antenna, appropriate height above ground to allow for Fresnel zone.		
Power Output: Up to 100mW		
Power Requirements	External DC	9-24 VDC @ 1.5A
	miniUSB	5V @ 500ma
	Internal Lithium Ion capacity	2200ma
General	Dimensions L x W x H (without antenna)	124 x 122 x 55 mm 4.88 x 4.80 x 2.17 inches
	Weight	17.5 oz. / 500 grams
	PoE Standards	IEEE 802.3af
	Case Material	Durable, impact-resistant UV Stabilized Polycarbonate material
	Operating Temperature	-40°C to 85° C
	LED Status Indication	Power, Data, Link, Radio RX, Radio TX, Charge Status
External Connections	DC Power Jack	DC Power Input
	miniUSB	Input Power and Radio Configuration
	SMA x 2	External antenna for wireless radio
	Power Switch	Power On/Off

Other Link2-Repeater Configurations

Part #	Model
CDM30054	Link2-Repeater with Murata WIT2410 2.4GHz
CDM30056	Link2-Repeater with Digi XBee Pro XSC 900MHz
CDM30057	Link2-Repeater with Digi XTend
CDM30062	Link2-Repeater bridge 900Hz XSC to WIT2410 2.4GHz



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