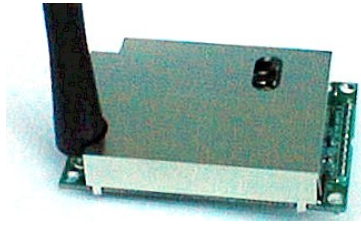


# CDR-915LXL • Low Power Data Transceiver



The CDR-915LXL is a low cost, high performance data radio transceiver. Its design allows easy integration into OEM applications and it is FCC and Industry Canada approved.

## Key Benefits

- Low cost
- Small footprint
- Easy integration (OEM Developer's kit available)
- Fast throughput (50kbps RF data rate)
- 8 – 448 bit encryption
- No FCC paperwork required
- Powerful Windows™ based path management software
- Site survey spectrum analyzer mode
- Advanced configuration wizard
- Standard Interface
- Transparent or Guaranteed Point-to-Point or Point-to-Multi-Point data delivery modes
- Field upgradeable
- Can act as a system repeater and endpoint simultaneously

## Applications

- HVAC control
- Vending
- SCADA systems
- Wireless Network Nodes
- Security systems
- Industrial controls
- Field area networks
- Most any application currently using an RS-232 or RS-485 serial connection

## Specifications

Frequency.....	902-928 MHz
Frequency Control.....	PLL Synthesizer
Transport.....	Transparent
	Point-to-Point
	Point-to-Multipoint
	Multipoint-to-Multipoint
	Broadcast and Guaranteed Delivery
Data Interface.....	Asynchronous TTL
RF Channels.....	62
Configuration.....	Windows™ Application
Addressing.....	65,025 Unique Addresses
Duty Cycle.....	100% Receive, 100% Transmit
Data Interface Rate.....	2400,4800, .....9600,19.2k,56k bps (N,8,1)
Temperature .....	-30 to +70 °C
Range*.....	up to 1500'
Data Encoding.....	Proprietary Method
Receiver Sensitivity.....	-101 dBm usable
Modulation.....	Direct FM (FSK)
RF Data Rate.....	50 kbps
Data Flow Control.....	Hardware using CTS
Transmitter Output.....	1 mW
Error Detection.....	16-bit CRC
Input Voltage.....	7.5 – 15 VDC
Input Current.....	70mA Receive Mode 50mA Transmit Mode

## Regulatory

United States (FCC).....	CFR 15.249 Approved
Canada (IC).....	RSS210 Approved

## Mechanical

Size.....	1.75" x 2.5"
Antenna.....	Integral ¼ wave, remote ¼ wave

## Interface Options

- RS-232/485 (p/n INT-232/485 Combo)
- MODBUS™ I/O Board
- USB (p/n INT-USB)

## Developer's Kit

The CDR-915LXL OEM Design Kit includes a manual, software and two each of the following.

- CDR-915LXL Data Radio Transceiver
- INT-232/485 Combo Interface Board
- Integrated ¼ Wave Antenna
- Power Supply Modules
- Serial Cables

Specifications are subject to change without notice. \*The effective transmission range will vary based on installation location and other factors.