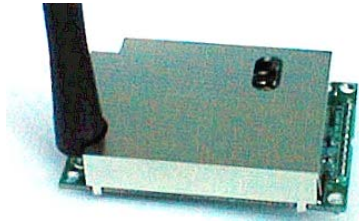


# CDR-915L • Low Power Data Transceiver



The CDR-915L 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)
- 62 RF Channels
- Powerful Windows™ based path management software tracks 16 radios simultaneously
- Full duplex emulation
- Standard Interface
- Transparent or Guaranteed Point-to-Point or Point-to-Multi-Point data delivery modes
- Field upgradeable
- Programmable as a system repeater for extended range

## 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-915L OEM Design Kit includes a manual, software and two each of the following.

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

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