# CDR-915LXLM • Low Power Data Modem


The CDR-915LXLM is a low cost, high performance data modem. An RS-232 or RS-485 interface makes its installation and use quick and easy. The modem is FCC and Industry Canada approved.

## Key Benefits

- Low cost
- Rugged plastic enclosure
- Fast throughput (50kbps RF data rate)
- 8 – 448 bit encryption
- Powerful Windows™ based path management software
- Site survey spectrum analyzer mode
- Advanced configuration wizard
- 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 RS-232 or RS-485
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.....8 – 14 VDC
Input Current.....70mA Receive Mode
50mA Transmit Mode

## Regulatory

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

## Mechanical

Size (W,L,H).....3.5" x 6.0" x 1.75"
Antenna.....Integral ¼ wave, remote ¼ wave

## Interface Options

- RS-232/485 (p/n CDR-915LXLM-232/485)
- USB (p/n CDR-915LXLM-USB)

Specifications are subject to change without notice.

*The effective transmission range will vary based on installation location and other factors.

**Sustained throughput will be lower.

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