

# CDR-9150XLM • Advanced SS Data Modem



The CDR-9150XLM is an advanced high performance spread spectrum data radio modem. Its design allows easy integration into OEM applications and is FCC and Industry Canada approved.

## Key Benefits

- Low cost
- Small footprint
- Fast throughput (100kbps RF data rate)
- Powerful Windows™ based path management software detects interference and signal integrity
- Transparent or Guaranteed Point-to-Point or Point-to-Multi-Point data delivery modes
- Field upgradeable
- Programmable as a system repeater and endpoint for extended range

## Applications

- HVAC control
- Camera PTZ 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
	Smart Mode (routable)
Data Interface .....	Asynchronous TTL
Hopping Channels .....	up to 50 depending on country
Configuration .....	Windows™ Application
Addressing .....	65,025 Unique Addresses
Duty Cycle .....	100% Receive, 100% Transmit
Data Interface Rate .....	1200, 2400, 4800, 9600, 19.2k, 56k bps, 7-8 bit, even or odd parity
Temperature .....	-30 to +70 °C
Data Encryption .....	8 – 448 bit
Range* .....	up to 30 miles
Data Encoding .....	Proprietary Method
Receiver Sensitivity .....	-105 dBm usable
Modulation .....	Direct FM (FSK)
RF Data Rate .....	100 kbps
Data Flow Control .....	Hardware using CTS
Transmitter Output .....	1 Watt
Error Detection .....	16-bit CRC
Input Voltage .....	9 – 28 VDC
Input Current .....	115mA Receive Mode @ 12V 75 mA Receive Mode @ 24V 910 mA Transmit Mode @ 12V 450 mA Transmit Mode @ 24V

## Regulatory

United States (FCC) .....	CFR 15.247 Approved
Canada (IC) .....	RSS210 Approved

## Mechanical

Size .....	3.5 x 6.0 x 1.75"
Antenna Connector .....	Reverse SMA

## Interface Options

- RS-232/485 (CDR-9150XLM-232/485)
- USB (p/n CDR-9150XLM-USB)