CDR-915LM • Low Power Data Modem

The CDR-915LM 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)
- TCP/IP compatible for Web Enabled devices
- 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 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-915LM-232/485)
- USB (p/n CDR-915LM-USB)

Specifications are subject to change without notice.

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

**Sustained throughput will be lower.

Coyote DataCom, Inc.• 3941 Park Drive, Suite 20-266, El Dorado Hills, CA 95762
Tel. 916-933-9981 • Fax 916-577-1048 • www.coyotedatacom.com