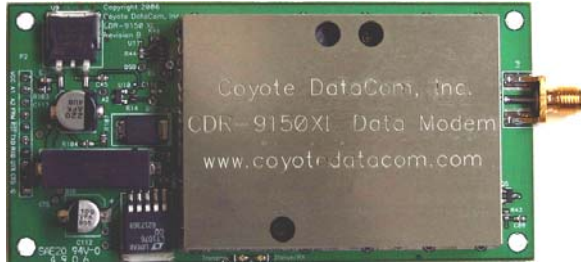


CDR-9150XL • Advanced SS Data Transceiver



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

Key Benefits

- Low cost
- Small footprint
- Easy integration (OEM Developer's kit available)
- 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	2.100" x 4.250"
Antenna Connector	Reverse SMA

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-9150XL OEM Design Kit includes a manual, software and two each of the following.

- CDR-9150XL Data Radio Transceiver
- INT-232/485 Combo Boards
- ¼ Wave Antenna
- Power Supply Modules
- Serial Cables