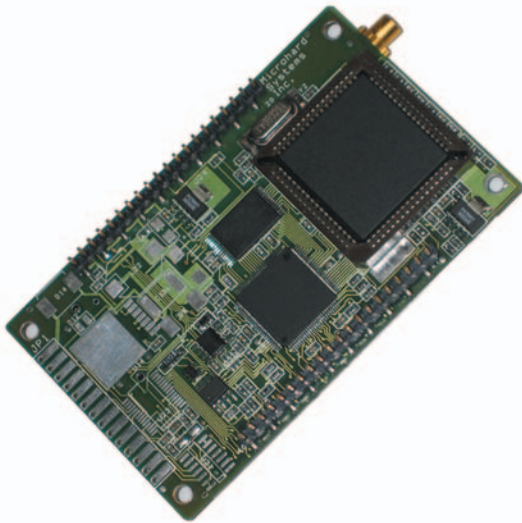


MHX910A

High Volume OEM Industrial Wireless Modem

The MHX910A frequency-hopping 900 MHz spread-spectrum communications module is the industry's most robust and cost-effective means of providing embedded long-range data communications between industrial serial communication devices.



Applications:

- SCADA
- Telemetry
- Vehicle Data/Tracking
- Utilities/Metering
- Display Signs
- Traffic Control
- Many More

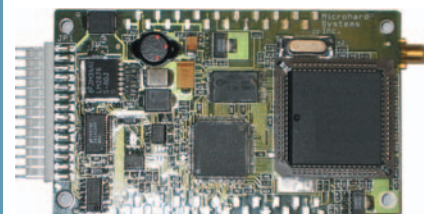
With superior noise rejection, sensitivity, and extended temperature range, the MHX910A excels where many other transceivers fail.

The MHX910A is an upgraded version of the MHX-910 with features including lower power consumption, 1200 baud, and sleep mode. Designed for high volume integration and unprecedented RF performance the MHX910A is the next evolution of the MHX-910.

Features of the MHX910A

- Extremely robust long range frequency-hopping data radio
- 100% compatible with MHX-910
- Lower current consumption and sleep mode
- Industrial temperature specification
- Supports point-to-point, point-to-multipoint, repeater, TDMA, Multimaster, modbus and remote diagnostics modes
- Maximum allowable transmit power (1W)
- Repeater units can also act as a slave with no restriction on the number of repeaters in the system
- Internal 32bit CRC and user-selectable forward error correction
- HV voltage option for with RS232,RS485/RS422

MHX910A HV Option



MHX910A Specifications		Pinout	
Frequency	902 - 928 MHz		
Spreading Code	Frequency Hopping		
Output Power	Up to 1W user configurable		
Sensitivity	-108 dBm		
Data Rate	1200 to 115.2kbps		
Range	Up to 60 miles line of sight with gain antenna		
Rejection	70dB out of band; 60dB in band; 50dB adjacent channel		
Operating Modes	Point-to-Point, Point-to-Multipoint, Repeater, TDMA, Multimaster		
Hopping Patterns	64 user selectable		
Diagnostics	Remote control, remote statistics, remote diagnostics		
Error Detection	32 bits of CRC with optional FEC		
Data Interface	Asynchronous RS-232, 5V TTL levels		
RS-232 Signals	Gnd, TxD, RxD, CTS, RTS, DTR, DSR, DCD		
User Interface	AT Command Interface		
Status Signals	RX/Sync, TXMode, RSSI1,2,3		
Operating Voltage	5V to 5.5VDC (8 to 30VDC HV option)		<h3>Order Options</h3> <ul style="list-style-type: none"> ■ HV OPTION - High Input voltage (8V to 30V) with RS232/RS485/RS422 Drivers ■ Reverse Polarity SMA Connector ■ Class 1 Div 2 (for use in hazardous environments)
Current Consumption	550mA max at 1W Tx Power; 110mA typ. in Rx mode, 3mA sleep		
Operating Environment	-40 to +85 C; 5-95% non-condensing		
Weight	Approx 75 grams		
Dimensions	Approx. 3.5" x 2.1" x 0.7"		
Antenna Connector	MCX, RSMA	<small>Specifications subject to change without notice.</small>	
Approvals	FCC Part 15.247, IC RSS210		
<h3>Contact Information</h3> <p>AIRLINX Communications, Inc. Box 253 Greenville, NH 03048 E-mail: sales@airlinx.com Tel: (888) 224-6814 Fax: (603) 878-0530</p>			