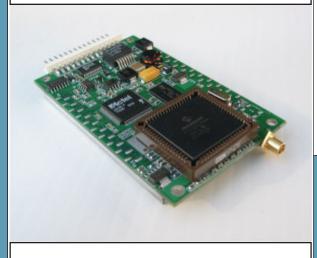
#### M H X 9 1 0 A - H V - L I T E

### OEM Industrial Wireless Modem

The MHX910A-HV-LITE 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.

## >>> Low Cost



>>> Plug'n'Play

#### 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-HV-LITE excels where many other transceivers fail.

The MHX910A-HV-LITE features lower power consumption and 1200-115200 baud data communications. Designed for high volume integration, the MHX910A-HV-LITE is heavy on performance.

# Features of the MHX910A-HV-LITE

- Extremely robust long range frequency-hopping data radio
- Low current consumption; <1mA in shutdown mode</li>
- Industrial temperature specification
- Supports point-to-point, point-to-multipoint, repeater
- Maximum allowable transmit power (1W)
- Repeater units can also act as a slave with no restriction on the number of repeaters in the system
- 32 bits of CRC
- Ready to install with convenient power and data interface
- Supports RS232, RS485/RS422



M H X 9 1 0 A - H V - L I T E	Specifications	
Frequency	902 - 928 MHz	
Spreading Code	Frequency Hopping	
Output Power	1W	
Sensitivity	-105 dBm	
Data Rate	1200 to 115.2kbps	
Range	Up to 60 miles line of sight with high gain elevated antennas	
Rejection	70dB out of band; 60dB in band; 50dB adjacent channel	
Operating Modes	Point-to-Point, Point-to-Multipoint, Repeater	
Hopping Patterns	16 pseudorandom, user selectable	
Antenna Connector	MCX, RSMA	
Error Detection	32 bits of CRC	
Data Interface	Asynchronous RS-232	
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	8 to 30VDC	Order Options
Current Consumption	@12V: 600mA max at 1W Tx; 160mA Rx only; 300mA typ.Tx/Rx; <1mA shutdown	Reverse Polarity SMA Connector
Operating Environment	-40 to +85 C; 5-95% non-condensing	
Weight	Approx 75 grams	Class 1 Div 2 (for use in hazardo environments)
Dimensions	Approx. 3.5" x 2.1" x 0.7"	
Approvals		

## Contact Information

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