

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
- 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

MHX910A-HV-LITE



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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
Current Consumption	@12V: 600mA max at 1W Tx; 160mA Rx only; 300mA typ.Tx/Rx; <1mA shutdown
Operating Environment	-40 to +85 C; 5-95% non-condensing
Weight	Approx 75 grams
Dimensions	Approx. 3.5" x 2.1" x 0.7"
Approvals	

Order Options

- Reverse Polarity SMA Connector
- Class 1 Div 2 (for use in hazardous environments)

Contact Information

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