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Serial RF Radio 50mW – Industrial
Part no. EZ50B

The EZ50 is a light-industrial grade serial RS232 RF radio modem which will allow you to send and receive wireless serial data between two serial devices or computers.
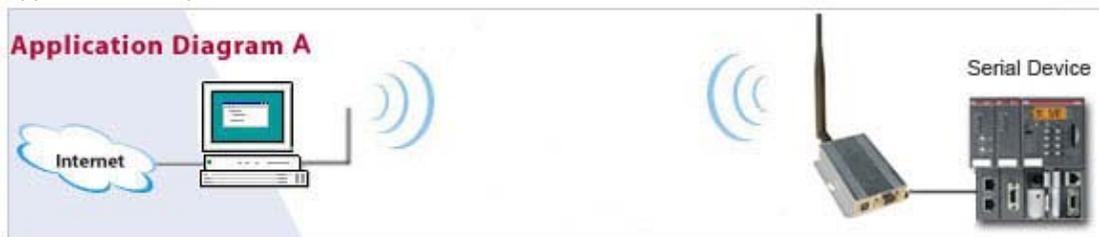
The advantage of a serial RF radio such as this is that it can be used without an operating system as a host. An operating system is only required to configure the parameters of the radio.
The parameters can be configured through the serial port of the radio by using the downloadable configuration utility. If your computer does not have an available COM port we strongly recommend using a high quality USB to serial adapter such as our part XS8801 for configuring the parameters.

This radio works in the unlicensed 915Mhz frequency band so no radio license is required.
It is ideal for most types of wireless serial communication of manufacturing machinery, CNC's, PLC's, printers, bar-code scanners or even home automation control.

Application example:

Pin no.	RS232 DB9 Male	LED
1	-	
2	TX	Red
3	RX	Green
4	-	
5	GND	
6	-	
7	-	
8	-	
9	-	

Please download drivers and user guides for this product from:

www.USconverters.com

To access technical support, please visit the U.S. Converters website at:
www.USconverters.com
Here you will find:

- Latest drivers and updates for download
- Technical tips
- Documentation
- Configuration support
- and much more…

Feel free to contact our technical support team at mail@usconverters.com with any issues.
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SPECIFICATIONS	
Model number	EZ50B
Operating system for configuration software	Windows XP, Vista, 7, 8, 10, 11
Interface	RS232, DB9 Female
RF power	50mW/ 17dBm
Frequency range	912 - 915Mhz
Number of channels	32 (only radios sold after 05/16/2017) 8 (radios sold before 05/16/2017)
Baud rates	1200, 2400, 4800, 9600, 19200, 38400bps
Parity	None, Even, Odd
Stop bits	1
Buffer size	512 bytes
Typ communication range	1200m (3900 feet) at 1200Bps
Data bits	8 (6 and 7 bits not supported)
Processor	Atmel ATMEGA8L
Modulation	GFSK
Receiver sensitivity	-121dBm
Receiving current	less than 30mA
Transmitting current	less than 75mA
LED indications lights	Red: transmit Green: receive
Sleep Current	less than 10uA
Size	91 × 64 × 23mm
Power supply	4.5V -5.5VDC by USB or other external power source. Minimum 200mA recommended.
Working temperature	-4°F to 167°F (-20°C to 75°C)
Antenna	50 ohm SMA male, magnetic base, 3 feet cord