

## Specifications

### Frequency Band:

902-928 MHz

### Modulation:

FHSS FSK

### Interface:

Standard: RS-232 (DB9 Male)

ConnexLink PRO: RS485 (DB9 Female)

### Serial Interface Data Rate:

Up to 115200 Kbps

### Output Power:

5 mW-1000 mW variable

### Input Power:

7 VDC-18 VDC

### Current Draw (at 12VDC):

400 mA TXD, 40 mA RXD

### Power Supply:

AC transformer via 6 ft cable (183 cm)

### Electrical Requirements:

Line voltage 100-120 V; frequency 50-60 Hz  
(240 V outside the US)

### Channels:

Up to 32

### Security:

1-byte system ID, DES

### Sensitivity:

-99 dB at full RF data rate

### Range (line of sight):

Up to 20 miles (32 km)

### Temperature:

-40° F to 176° F (-40° C to 80° C)

### Humidity (non-condensing):

10% to 90%

### Weight:

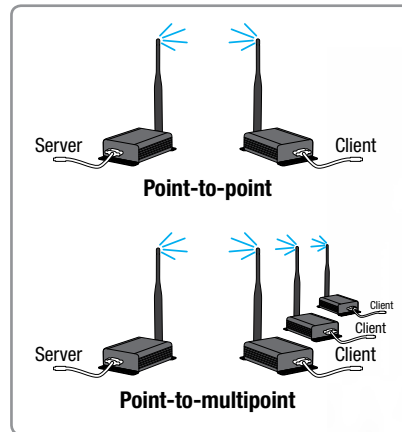
&lt;6 oz (&lt;170 g)

### Dimensions:

4.75 x 2.75 x 1.17 in (121 x 70 x 30 mm)

### Antenna Connector:

Reverse polarity SMA jack (female)



When operating multiple sets of ConnexLinks radios in range of each other, they must be set to separate channels so that multiple servers stay in sync with their paired units and so no data is transmitted on the same channel. By default the radios are set to channel 16, so set the remaining server(s) at least four channels apart to ensure no cross-communications occurs. Make sure the client radios match their respective servers with channel number and System ID number. "Sync to Channel" must be enabled on all servers that have a channel number greater than 16. No other configuration modifications are required for the clients. In order to enable "Sync to Channel," user will be required to download the latest configuration software at: <https://www.lairdtech.com/solutions/embedded-wireless/connexlink-setup-wizard>. Once downloaded, launch the software and select "PC Settings." In the Product field, select Connex4490. Also you must select the corresponding COM port on your computer and the baud rate of the 4490 (9600 if you buy paired units, 57600 if you buy a single unit). To expand the options available click "About," then type "showframe," then enter. Click "OK" and then check the "Show All Options" box. Click the configure tab to edit the settings for your radio.

## Standard Features

- Durable industrial-grade enclosure with mounting flanges
- Transmits around corners and through walls
- Reliable communications up to 115200 kbps
- Supports point-to-point and point-to-multipoint applications

## Part Number/Price

Part #	Description	Price
<b>86134</b>	ConnexLink RF device 900 MHz RF device server/client (requires minimum of 2)	\$325.00
<b>105776</b>	ConnexLink Pro 900 MHz 1W, wireless transceiver with large buffer	\$395.00
<b>129662</b>	Paired ConnexLink	\$650.00

## Options/Accessories

Part #	Description	Price
<b>78827</b>	Power supply, 115 VAC input/6 VDC output	\$55.00
<b>103979</b>	Antenna 1/2 Wave, 2 dbi, 7 in for 900 MHz radios	\$45.00
<b>119448</b>	Yagi antenna	\$105.00
<b>119449</b>	Cable, Yagi antenna 20 ft	\$75.00
<b>110538</b>	ConnexLink FRP enclosure with heater	\$1,395.00
<b>110539</b>	ConnexLink Pro enclosure with heater	\$1,395.00
<b>22436</b>	RS-232 nine-pin female to blunt end	\$55.00
<b>98084</b>	DC power cable option	\$15.00