

# Xeta9S-WR

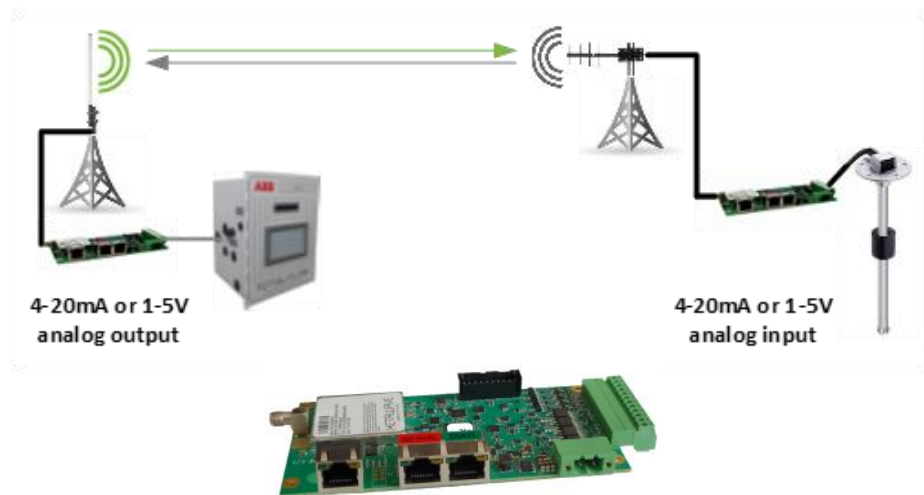
## Wire Replacement Kit

### Two 900 MHz ISM Serial I/O

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The **Xeta9S-WR** is a kit that includes two extremely capable, flexible, low cost industrial Frequency Hopping Spread Spectrum (FHSS) and Digital Transmission System (DTS) 900 MHz software defined radios (SDR) with 8 programmable I/O channels. The radios are pre-configured for Point to Point communications and wire replacement operation. The radios are board level serial only **Xeta9s** with 8 independently programmable analog and digital input and output signals.

The **Xeta9S-WR** includes standard Xeta9S radios that support full functionality and utilizes a **Dual Decode Digital Architecture™** that provides excellent receiver performance. Monitor temperature, humidity, flow, level, and pressure and control solenoids, valves, pumps, lamps, and relays.



## Key Features

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**Inexpensive** The Xeta9S-WR is a cost effective point to point wire replacement solution.

**Communications** Radios are pre-configured to communicate with each other.

**Pre-Configured** The radios are pre-configured so they operate out of the box but any of the settings can be adjusted by the user.

**Wire Replacement** The Wire Replacement functionality is pre-configured to replicate two analog and two digital signals in both directions.

**I/O** The I/O on each radio is pre-configured as two analog current inputs, two analog outputs, two digital inputs, and two digital outputs.

# Xeta9s-wr

## Interfaces

Power Connector	2-pin Phoenix   +10 to +32 Vdc
Serial	1x RJ45   up to 1Mbps   RS232/422/485 1x RJ45   115.2 kbps   RS232 1x RJ45   Up to 1 Mbps   RS485
FGR	10-pin FGR compatible
I/O	12-pin Phoenix 4 Analog In, Analog Out, or Digital In 4 Digital In or Digital Out 4 Ground
RF Connector	SMA   50 Ohms

## Power

Transmit	< 204 mA @ +12 Vdc
Receive	< 75mA @ +12 Vdc
Idle	< 47 mA @ +12 Vdc

## Environmental/Physical

Op. Temp	-40°C to +85°C
Humidity	95% @ +40°C non-condensing
Safety	UL Class 1 Div 2
Dimensions	5.1" x 3.2" x 1.0"
Weight	170 grams

For complete transmitter and receiver specifications and functionality, see the Xeta9s datasheet.

## Configuration

Operating Mode	Point to Point Frequency Hopping Spread Spectrum (FHSS)
Frequency Range	902 to 928 MHz
Output Power	250 mW
RF Rate & Modulation	153 kbps MSK 207 kHz
Network Address	Pre-configured with a unique setting per kit
Hop Patterns	Pseudo Random Based on Network Address
I/O	2x analog current inputs, 2x analog outputs, 2x digital inputs, and 2x digital outputs
Wire Replacement	Replicates 2x analog and 2x digital signals in both directions at a rate of 1 second

## Ordering

XETA9S-WR	Two XETA9S-10INNFC-FGRIO radios & 1 RJ45DB9 adapter
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