

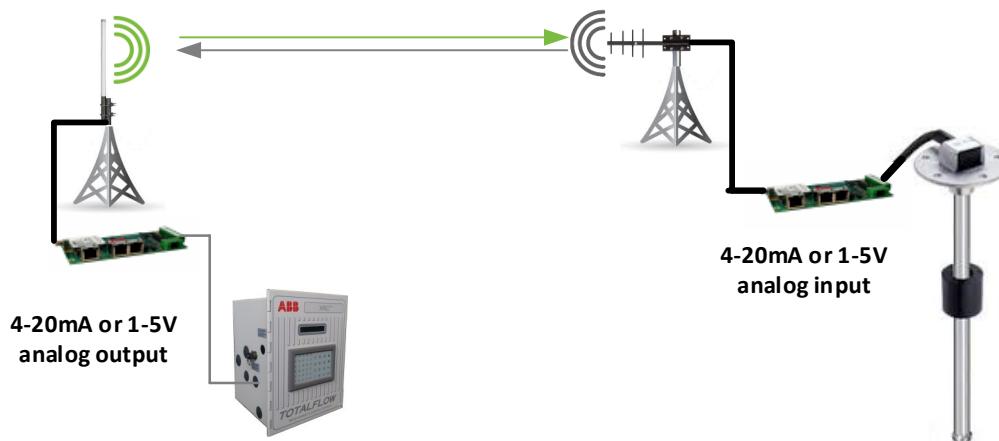
The XetaWave **Wire Replacement** solutions are cost effective, flexible, and reliable approaches for monitoring discrete analog voltage, analog current, and digital inputs and controlling discrete analog voltage, analog current, and digital output signals.

The standard **XETA9S** serial I/O radios offers a point to point **Wire Replacement** capability with the functionality available once the point to point network type is selected and the radio is configured as a master. The **XETA9S-WR** comes with two **XETA9S** radios that are pre-configured for **Wire Replacement** and to communicate with each.

XetaWave Ethernet radios have the option for programmable I/O. The Ethernet radios support a point to point or point to multipoint wire replacement capability by installing the no cost **Wire Replacement** firmware module. This **Wire Replacement** capability can be used with Ethernet I/O radios or a combination of Ethernet and serial I/O radios as well as the I/O Expanders offered by XetaWave.

## Serial Wire Replacement Solution

Point to Point



### Wire Replacement I/O Menu

This menu allow the I/O channels of a pair of I/O radios to act as 'wires'. One radio senses a channel's input state and transmits it to the other radio, which duplicates that state at the same channel's output. Analog channels 1-4 duplicate a voltage. Digital channels 5-8 duplicate a digital signal (high or low).

Each channel can be set individually as upstream (slave input duplicated at master), downstream (master input duplicated at slave), or off (unused).

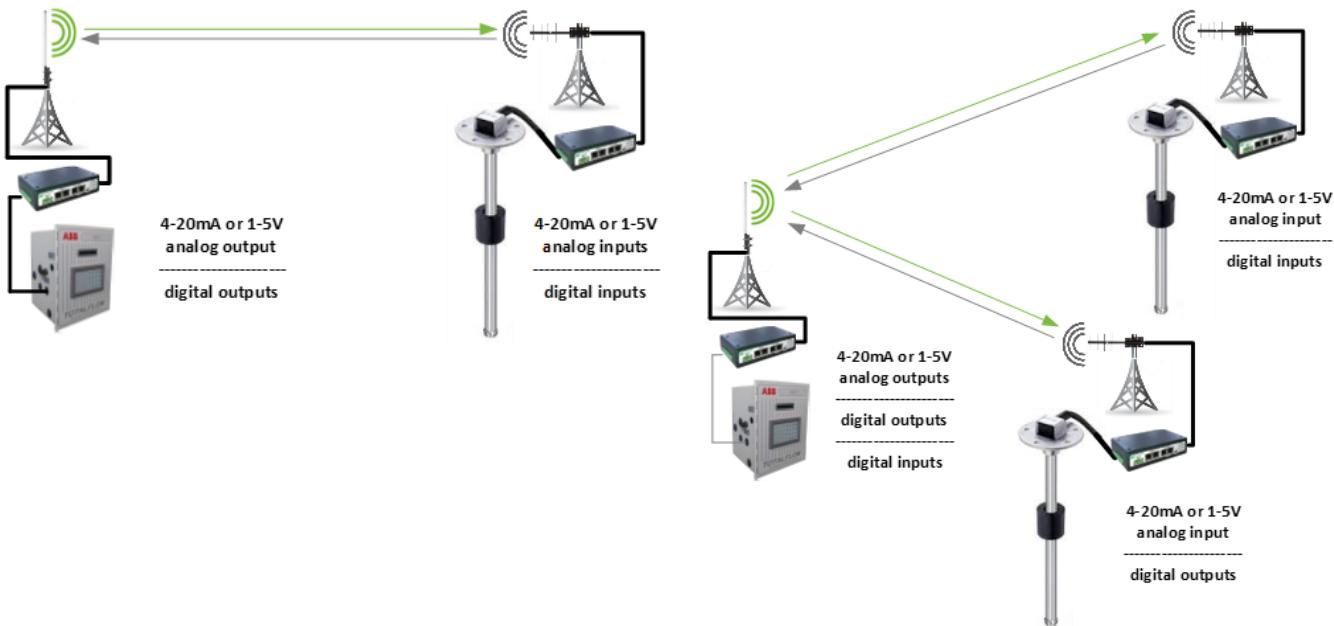
Channels:	1	2	3	4	5	6	7	8
1-8: Channel configuration	up	up	off	off	up	up	up	up
a : Polling delay	1 second							
Esc: Return to previous menu								
Enter selection: ■								



# Wire Replacement

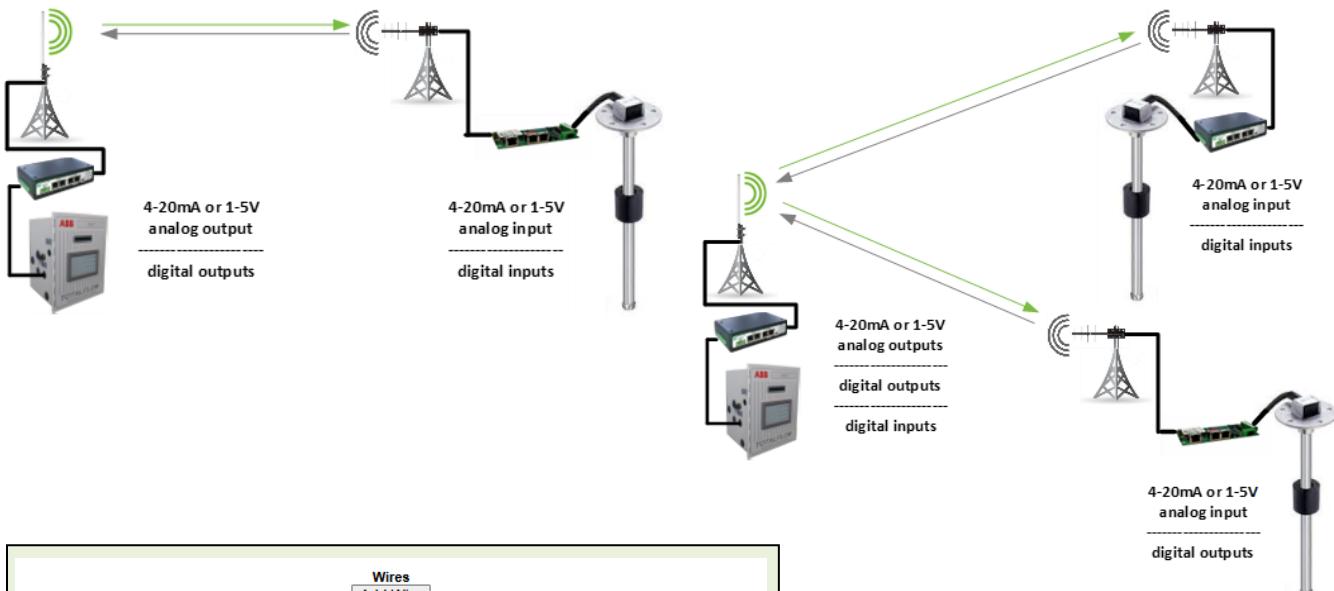
## Ethernet Wire Replacement Solution

Point to Point and Point to MultiPoint



## Ethernet and Serial Combo Wire Replacement

Point to Point and Point to MultiPoint



Wires	
<a href="#">Add Wire</a>	
<b>Wire:</b>	
Name:	<input type="text" value="Tank 1 (no punctuation except -_)"/>
Description:	<input type="text" value="Level Rading in mA"/>
Show or Hide Details	<input type="button" value="Delete Wire"/>
Source:	IP: <input type="text" value="127.0.0.1"/> I/O Point: <input type="text" value="IO1 AI-I, Input Reg 00032/33"/>
Destination:	IP: <input type="text" value="127.0.0.1"/> I/O Point: <input type="text" value="IO1 AO-I, Holding Reg 00256/57"/> Slope: <input type="text" value="1"/>
Enable:	<input type="button" value="Disabled"/>
Refresh Time (ms):	<input type="text" value="5000"/>
Connect Timeout (s):	<input type="text" value="5"/>
Port:	<input type="text" value="512"/>
Modbus ID:	<input type="text" value="102"/>
Port:	<input type="text" value="502"/>
Modbus ID:	<input type="text" value="1"/>
Offset:	<input type="text" value="0"/>



**XETAWAVE**  
CUSTOM RF SOLUTIONS

Specifications subject to change without notice.

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