

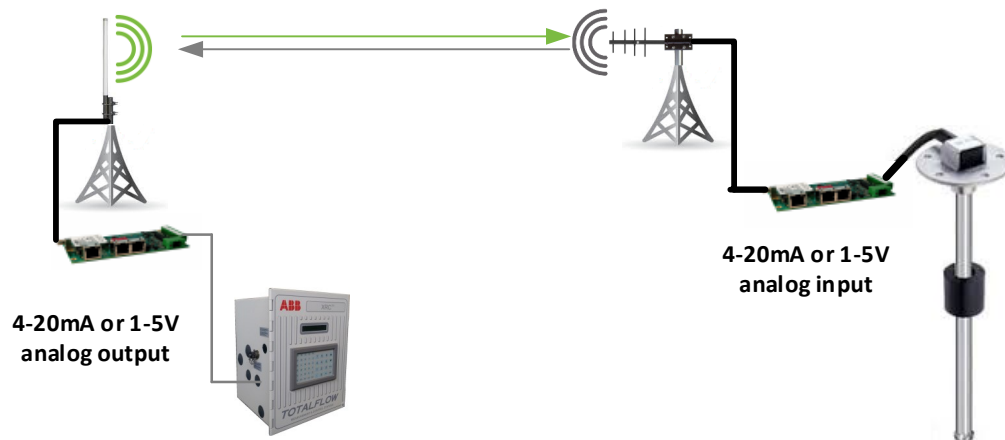
The XetaWave **Wire Replacement** solutions are cost effective, flexible, and reliable approaches for monitoring discrete analog voltage, analog current, and digital inputs and controlling discrete analog voltage, analog current, and digital output signals.

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



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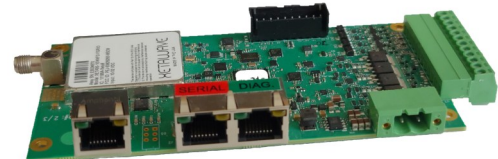
Wire Replacement I/O Menu

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).

----- Analog -----   ----- Digital -----
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

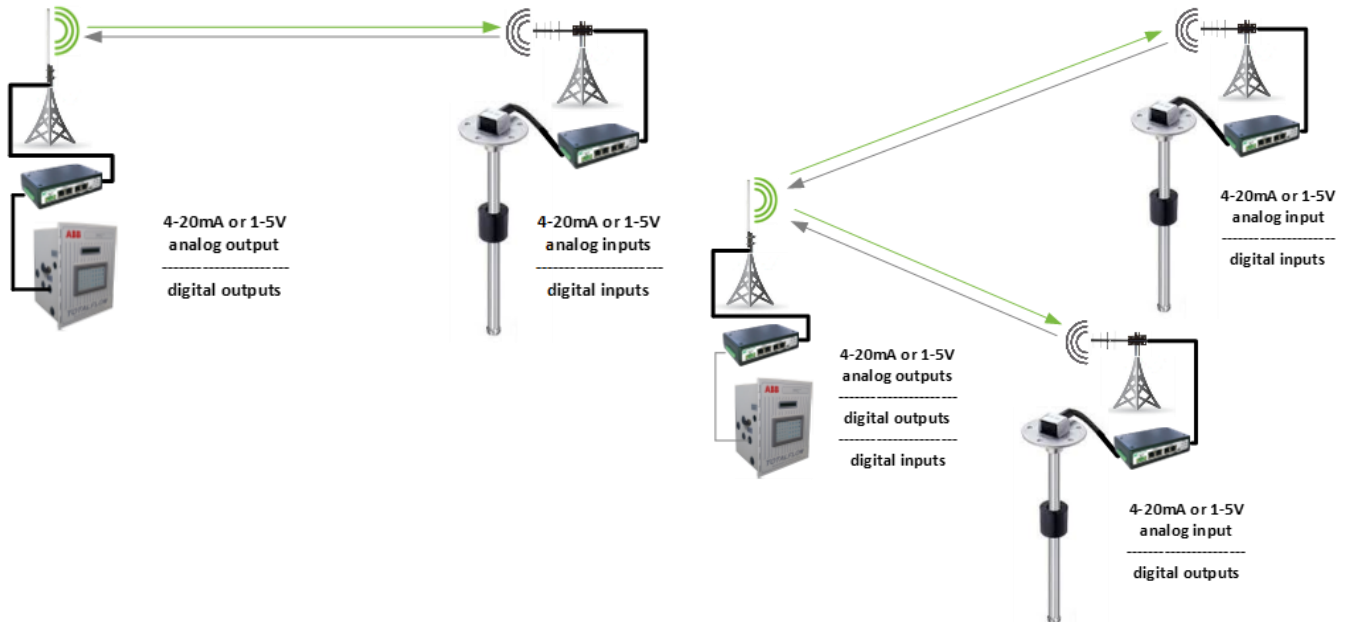
Enter selection: █
  
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Wire Replacement

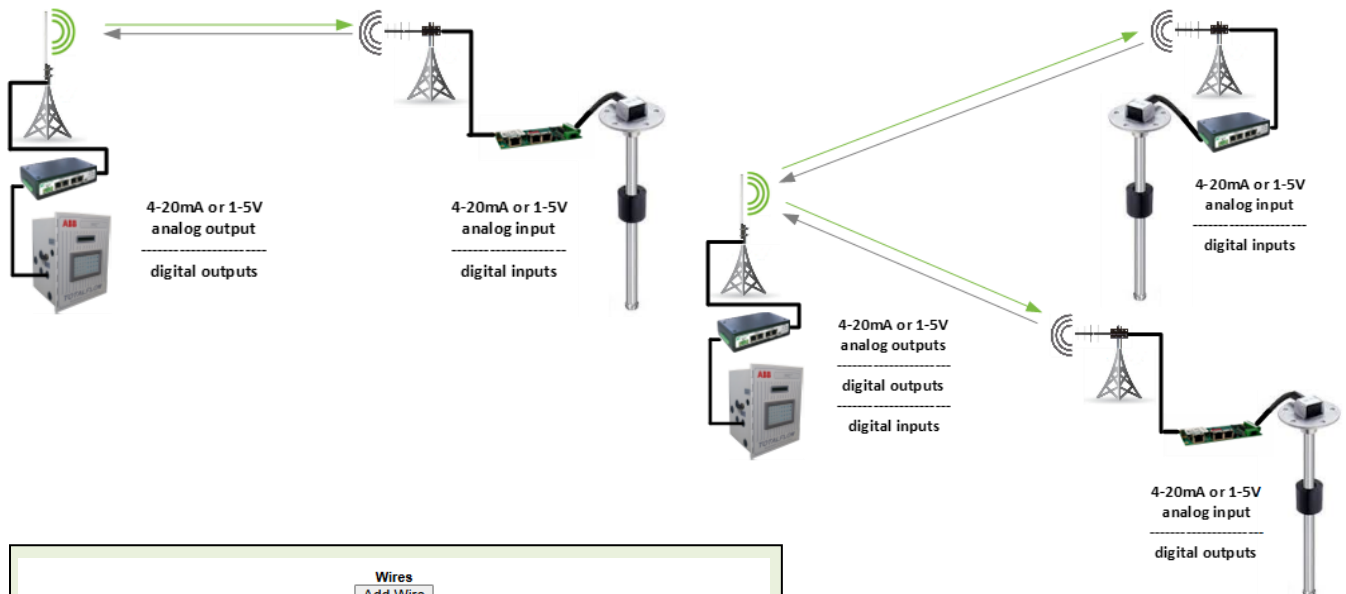
Ethernet Wire Replacement Solution

Point to Point and Point to MultiPoint



Ethernet and Serial Combo Wire Replacement

Point to Point and Point to MultiPoint



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