

Add a High Speed Backbone to your Water Fixed Network to extend its range.

Simple

- Automatically discovers and joins network
- Endpoint meters automatically discover repeater
- Easy-to-read pushbutton/LCD controls
- Graphical installation software
- Integrated antenna analyzer
- Integrated GPS
- Local programming via USB or wireless tablet
- OTA (Over-the Air) firmware updates

Secure

- Mesh: 128-bit symmetric-key encryption
- Management: Password protected
- Physical: intrusion detection/reporting

Rugged

- D IP67 waterproof
- Operating temperature: -40C to +85C
- Hinged aluminum chassis
- Stainless captive hardware
- 120V or 240V AC power
- 6000V/3000A AC surge suppression
- DC/Solar power options
- Gore-Tex pressure vent
- Integral heater for extended temperature ranges

Reliable

- Dual batteries for up to 3 months
- 5-year backup battery service life
- Redundant configurations with fail-over
- Automatic battery monitoring and maintenance
- Hot swappable batteries



Specifications

Repeater		
Dual Function	<p>Range Extender</p> <p>High Speed Backbone</p>	<ul style="list-style-type: none"> High transmit power and high-gain antennas bridge gaps between sections of a mesh. (e.g. across lakes, on peaks between valleys) Powered repeaters make a “fast-lane” for data in your water/gas fixed networks
Installation	<p>Controls</p> <p>Location</p> <p>Indicators</p>	<ul style="list-style-type: none"> LCD Panel w/menu buttons for common actions GPS receiver auto-detects and reports location Status LED’s confirm successful installation
User Interface	<p>USB</p> <p>RF</p> <p>Network</p>	<ul style="list-style-type: none"> Graphical User Interface Remote and local management

General	
Power Requirements	<ul style="list-style-type: none"> 120 VAC or 240 VAC +/- 10%
Surge Protection	<ul style="list-style-type: none"> ANSI C62.41 Surge Compliant Surge Rated to 6000 V at 3000 A
Dual Battery Backup	<ul style="list-style-type: none"> Maintains full operation for up to 24 hours Mesh control and data collection for up to 3 months of outage
Enclosure	<ul style="list-style-type: none"> IP67 Rated Die-Cast Aluminum
Physical Size	<ul style="list-style-type: none"> 11”H x 9”W x 4”D
Mounting	<ul style="list-style-type: none"> Pole or Wale Mount
Environmental	<ul style="list-style-type: none"> -40 C to +85 degrees C
Radio	
Frequency	<ul style="list-style-type: none"> 902 MHz to 928 MHz license free ISM band
Spread Spectrum	<ul style="list-style-type: none"> Frequency Hopping
Transmit Power	<ul style="list-style-type: none"> 27 dBm
Receiver Sensitivity	<ul style="list-style-type: none"> -112 dBm
Encryption	<ul style="list-style-type: none"> 128 Bit Symmetric Key
Antenna	<ul style="list-style-type: none"> Up to 8dBi – N-type Connector

