



lumenradio W-Modbus Pro Wireless Mesh Gateway Instruction Manual

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MODBUS RTU THROUGH RELIABLE WIRELESS MESH

W-Modbus replaces the Modbus RTU cable with a reliable wireless mesh – it eliminates time-consuming

installation planning, cabling, daisy-chaining and trouble-shooting. Avoiding cabling has never been easier. With W-Modbus it is easy to retrofit connectivity to already installed devices, converting a wired installation to a wireless network. For greenfield installations, the product provides increased flexibility and significant cost savings – both during installation and steady-state operation.

W-MODBUS

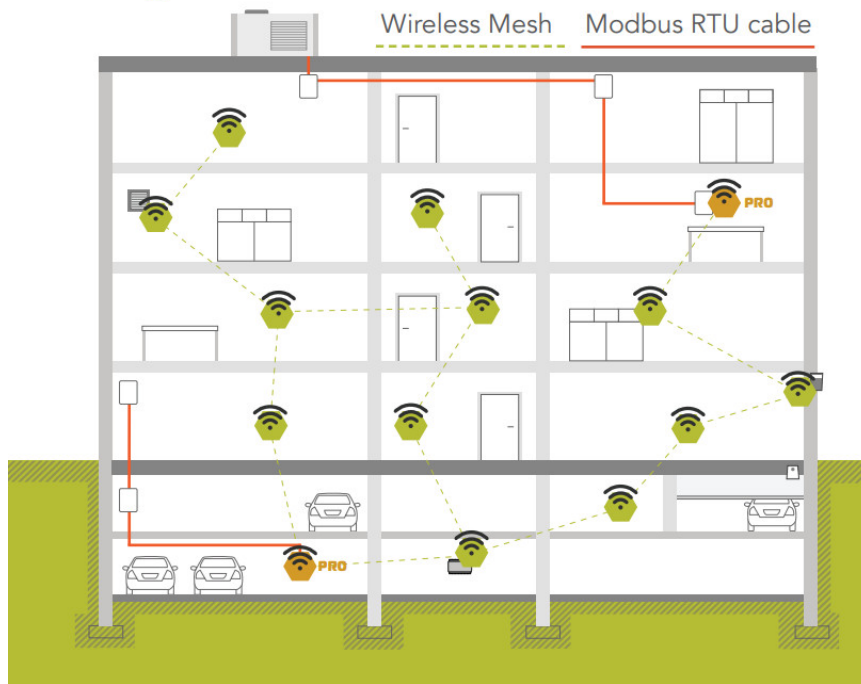
W-Modbus eliminates the need to run control cables for Modbus RTU installations, significantly reducing time-consuming cable installations, installation planning, troubleshooting, and daisy chaining.



W-MODBUS PRO

With the PRO version of W-Modbus, up to four Modbus Servers can be connected to one W-Modbus PRO Node – making it even easier to connect multiple devices located in close proximity to each other.





INSTANT INSTALLATION

3 simple steps to commission the W-Modbus network in minutes – just power up and connect your Modbus device and you are up and running. Avoids time-consuming and un-esthetical cabling.



UNIQUE RELIABILITY

By combining our patented MiraMesh and Cognitive Coexistence technology, each W-Modbus possess unparalleled reliability and resilience towards interference.



MULTIPLE SERVERS – PRO

With W-Modbus PRO you will be able to daisy chain up to four Modbus Servers behind one W-Modbus PRO unit.

FEATURES

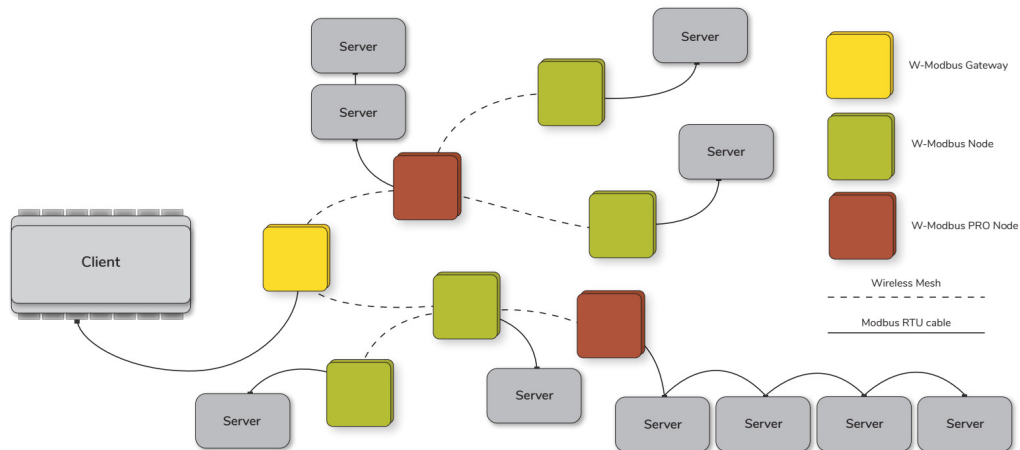
- Out-of-the-box installation – just power up and connect to your Modbus device and you are up and running.
- Instant commissioning – 3 simple steps, commissioning the W-Modbus network in minutes
- Mesh network – covers an entire building, utilizing the mesh network as your infrastructure.
- Cognitive Coexistence – LumenRadio's patented technology provides industrial-grade reliability and immunity to interference.
- Self-optimizing network – the mesh network will always find the best way to send messages through the network between devices.
- Range – 500 meters (line-of-sight) per hop in the mesh network

- Modular configuration – you no longer need to have the same baud rate in the whole network, supports individual settings for each device.




SYSTEM OVERVIEW

A W-Modbus network consists of a single W-Modbus Gateway connected to the Modbus Client using a Modbus RTU cable and up to 100 W-Modbus Nodes.

The W-Modbus PRO nodes can be connected to one to four Modbus Servers over a Modbus RTU cable compared to a normal W-Modbus node that can connect to one Server over a Modbus RTU cable.



GET IOT READY TODAY to add your own uniqueness tomorrow

Step 1	Step 2	Step 3
		
RAPID TIME-TO-MARKET: W-MODBUS <ul style="list-style-type: none"> • Minimum development effort • Easy installation and maintenance 	SCALE: THE W-MODBUS MODULE <ul style="list-style-type: none"> • Pre-certified modules • Cost reduction from W-Modbus 	CUSTOMIZED – MIRRORS <ul style="list-style-type: none"> • W-Modbus binary • Add your own IoT functionality

With patented technologies and an unique operating system, LumenRadio provides ultra-reliable mesh connectivity for the most business-critical applications.

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Documents / Resources

	<p>lumenradio W-Modbus Pro Wireless Mesh Gateway [pdf] Instruction Manual W-Modbus Pro Wireless Mesh Gateway, W-Modbus Pro, Wireless Mesh Gateway, Mesh Gate way, Gateway</p>
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References

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