lumenradio

W-Modbus

Modbus RTU through reliable wireless mesh

Enable energy savings and meet sustainability targets with wireless control. Wireless technology adds value through easier and more flexible installations, lower maintenance costs and an inbuilt flexibility for future upgrades.

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.

Retrofit with W-Modbus and convert a wired installation to a wireless network.

W-MODBUS PRODUCT RANGE

W-MODBUS WALL MOUNT

Perfect fit next to your room controller.

PRO - up to four Modbus Servers can be connected.

W-MODBUS DIN RAIL

Perfect fit next to your controller in your DIN rail cabinet.

PRO - up to four Modbus Servers can be connected.

APP

Verify your installation with the LumenRadio W-Modbus app

Download on the App Store

GET IT ON Google Play

Get the app

QUICK AND EASY INSTALLATION

The plug-and-play capabilities significantly reduce installation time so projects can be carried out quicker, at lower cost and with less complexity.

INCREASED PROJECT CAPACITY

Wireless control in building automation enables time for additional projects, increasing revenue potential, turning time saved into profit earned.

SIMPLIFIED COST PLANNING

With a wireless installation you know the exact cost and work involved so project planning and bidding becomes quicker and more accurate.

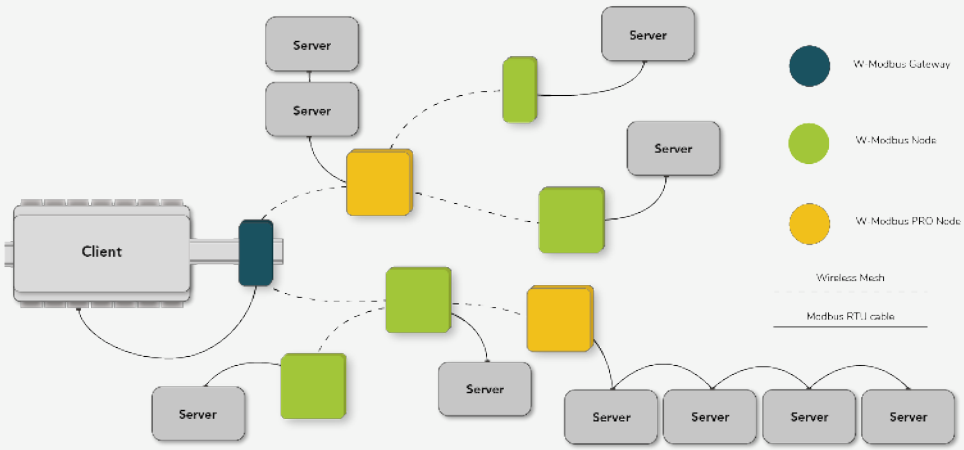
FEATURES

- 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 – cover an entire building, utilizing the mesh network as your infrastructure.
- Cognitive Coexistence™ – technology that provides industrial-grade reliability and immunity to interference.
- Range – 500 meters (line of sight) per hop in the mesh network.
- Self-optimizing network – the mesh network will always find the best way to send messages through the network.
- Modular configuration – no need for the same baud rate in the 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.



WHY CHOOSE LUMENRADIO?

WE KNOW WIRELESS

LumenRadio's unique patented wireless technology predicts and finds the best channel to communicate on. We call it Cognitive Coexistence™ – you can call it peace of mind.

ROCK-SOLID PERFORMANCE

Cognitive Coexistence allows our tech to operate reliably even in the most crowded of spaces so you get interference-free service every time. Where others fail, we deliver.

PROVEN RELIABILITY

From epic stageshows and Hollywood blockbusters to challenging industrial environments and vast buildings, we have been delivering wireless without worries for almost two decades.

LumenRadio is a Swedish technology company offering reliable wireless technology for business-critical applications within lighting control, building automation and industrial communication. We offer end-user products and precertified radio modules for Modbus, BACnet, DALI, DMX and wireless mesh. We have a zero vision when it comes to cables and every day we deliver – Wireless Without Worries.

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