lumenradio

W-BACnet

BACnet MS/TP THROUGH RELIABLE WIRELESS MESH

W-BACnet replaces the cabling with a reliable wireless mesh eliminating the time-consuming installation planning, cabling, daisy-chaining and trouble-shooting.

With W-BACnet, it is easy to retrofit connectivity to already installed devices, instantaneously converting individually siloed devices to a wireless network. The product enables flexibility, saving time and costs, including during installation and steady-state operation.

W-BACNET WALL MOUNT

Replace your BACnet MS/TP cable with a wireless connection between BACnet devices.

W-BACNET WALL MOUNT PRO

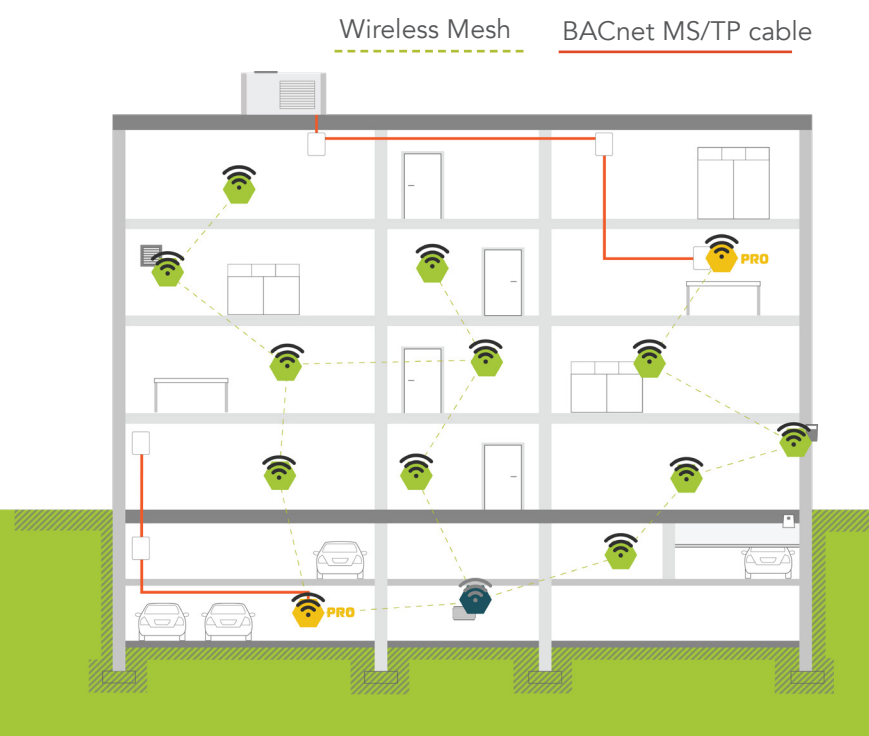With the PRO version, up to four BACnet MS/TP devices can be connected to one W-BACnet PRO Node.

W-BACNET NODE

Can be hidden behind a wall.

W-BACNET DIN RAIL

A perfect fit for your BACnet MS/TP controller in a DIN rail cabinet.

Wireless Mesh — — — —   BACnet MS/TP cable ———

INSTANT INSTALLATION

Installation is quick and easy. Connect your BACnet device to the W-BACnet node and then power up. The mesh network will form itself over a few minutes, avoiding time-consuming and un-aesthetical cabling.

UNIQUE RELIABILITY

By utilizing our Cognitive Coexistence technology in MiraMesh, each W-BACnet node possesses unparalleled reliability and resilience to interference.

MULTIPLE MS/TP DEVICES - PRO

With W-BACnet PRO you will be able to daisy chain up to four BACnet MS/TP devices behind one W-BACnet PRO unit.
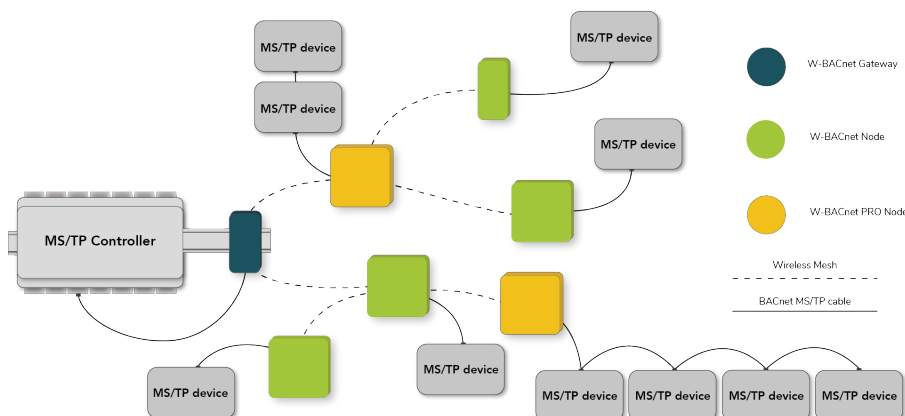
FEATURES

- Out-of-the-box installation – power up and connect to your BACnet MS/TP device and you are up-and-running.
- Instant commissioning – 3 simple steps, commission the W-BACnet network in minutes.
- Mesh network – cover an entire building, utilizing the mesh network as your infrastructure.
- Range – 500 meters (line-of-sight) per hop in the mesh network.

- 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.
- Modular configuration – no need for the same baud rate across all devices, W-BACnet supports individual settings.
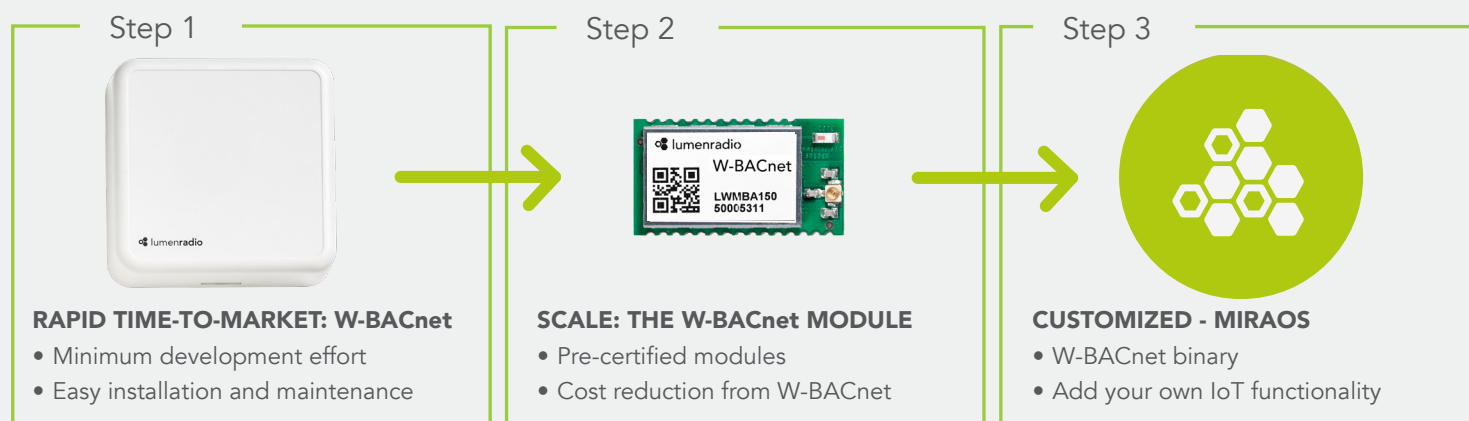
SYSTEM OVERVIEW

A W-BACnet network consists of a single W-BACnet Gateway with up to 100 W-BACnet Nodes.

The W-BACnet PRO nodes can be connected to one to four Bacnet MS/TP devices over a BACnet MS/TP cable compared to a normal W-BACnet node that can connect to one MS/TP device over BACnet MS/TP cable.

MS/TP device · MS/TP Controller · W-BACnet Gateway · W-BACnet Node · W-BACnet PRO Node · Wireless Mesh · BACnet MS/TP cable

GET IOT READY TODAY add your own uniqueness tomorrow

Step 1

RAPID TIME-TO-MARKET: W-BACnet
- Minimum development effort
- Easy installation and maintenance

Step 2

W-BACnet
LWMBA150
50005311

SCALE: THE W-BACnet MODULE
- Pre-certified modules
- Cost reduction from W-BACnet

Step 3

CUSTOMIZED - MIRAOS
- W-BACnet binary
- Add your own IoT functionality

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

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