lumenradio

W-BACnet

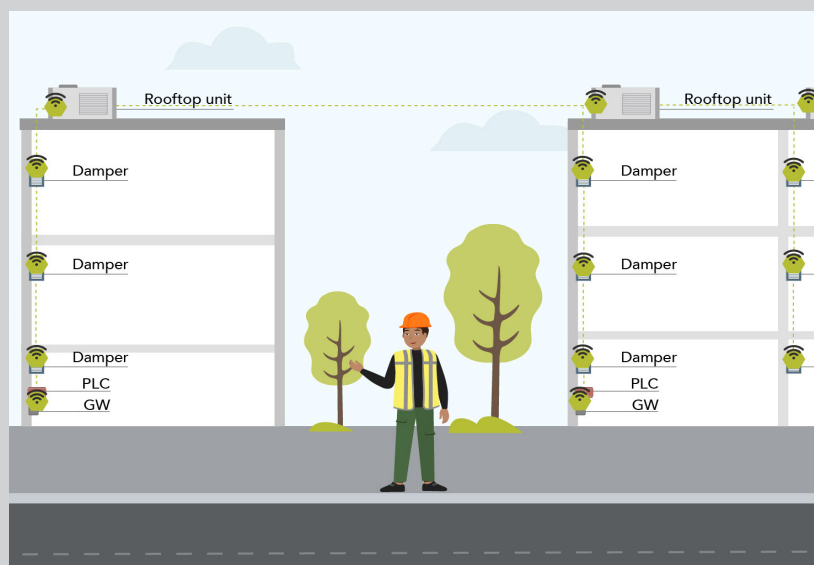## BACnet MS/TP TROUGH RELIABLE WIRELESS MESH

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.

PATENTED TECHNOLOGIES

The W-BACnet product is built upon LumenRadio's patented meshing technology MiraMesh - providing ultra-reliable device-to-device connectivity, easy installation, concurrent Bluetooth and extended indoor range.

MiraMesh is used in a large number of different applications around the world for building automation, HVAC control, lighting control and industrial sensor networks.

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.

MODULAR FLEXIBLE CONFIGURATION

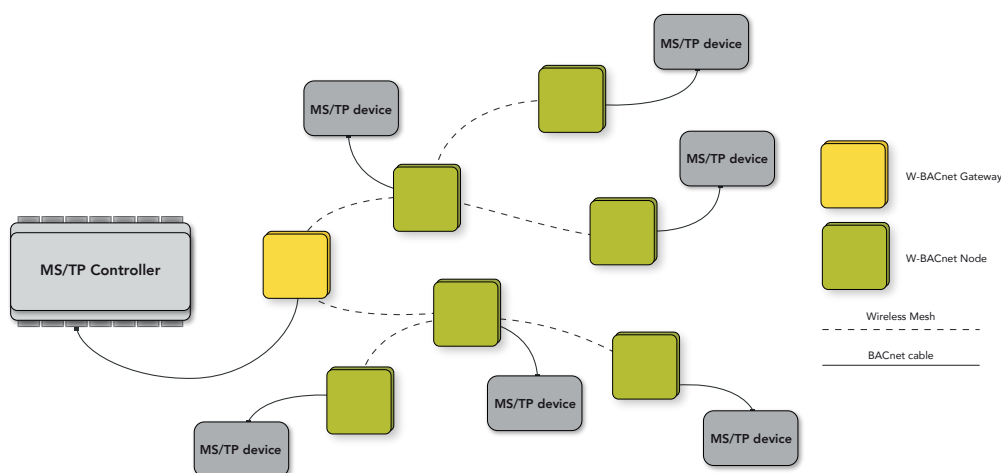W-BACnet supports individual device baud rate settings within the network.

Rooftop unit
Rooftop unit
Damper
Damper
Damper
Damper
Damper
Damper
PLC
GW
PLC
GW

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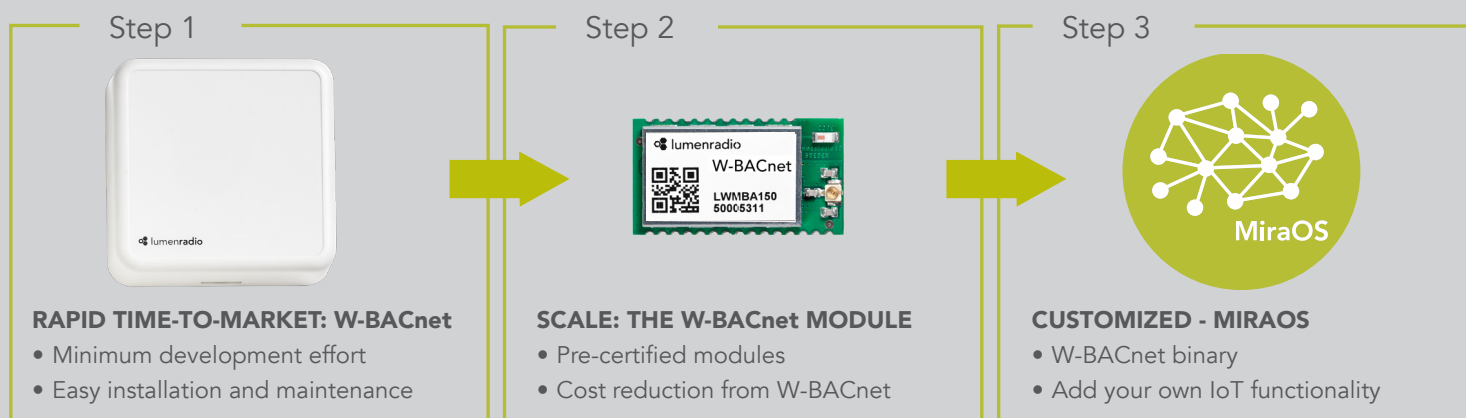- Modular configuration – no need for the same baud rate across all devices, W-BACnet supports individual settings.

SYSTEM OVERVIEW

A W-BACnet network consists of a single W-BACnet Gateway with up to 100 W-BACnet Nodes. Connect your BACnet MS/TP controller using RS485 to the W-BACnet Gateway, and then each of your BACnet MS/TP devices with RS485 to the W-BACnet nodes.

The W-BACnet network is built on LumenRadio's MiraMesh, a self-forming and self-healing wireless mesh technology.

GET IOT READY TODAY add your own uniqueness tomorrow

Step 1   Step 2   Step 3

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

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

CUSTOMIZED - MIRAOS
- W-BACnet 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.

CONTACT

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