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**Owner's Manual** 

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**lumenradio W-BACnet BACnet MS-TP Through Reliable Wireless Mesh**



## **BACnet MS/TP through a 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-BACnet replaces the BACnet MS/TP cable with a reliable wireless mesh – it eliminates time-consuming installation planning, cabling, daisy-chaining and troubleshooting. Avoiding cabling has never been easier.
- Retrofit with W-BACnet and convert a wired installation to a wireless network.

## **W-BACNET PRODUCT RANGE**

### **W-BACNET WALL MOUNT**

- Perfect fit next to your room controller.
- PRO – up to four BACnet devices can be connected.



## W-BACNET DIN RAIL

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

- PRO – up to four BACnet devices can be connected.



## APP

Verify your installation with the LumenRadio W-BACnet app





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**

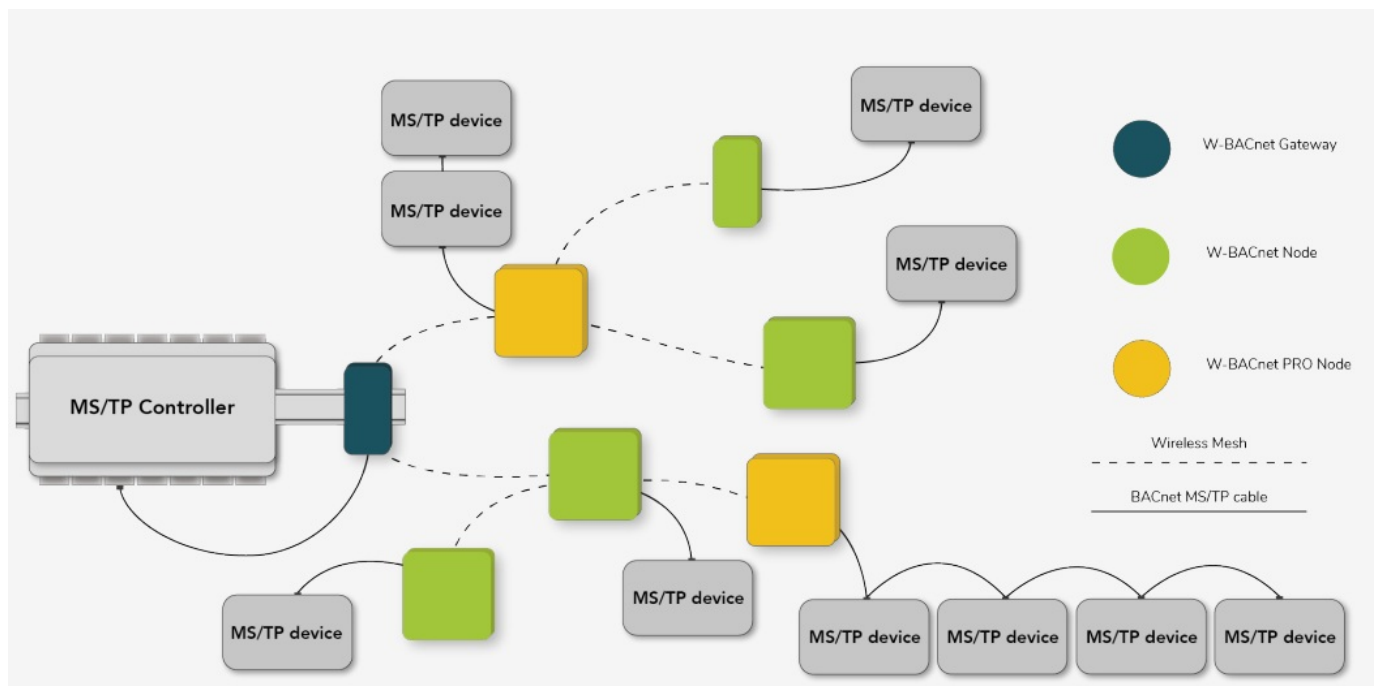
- Out-of-the-box installation – power up and connect to your BACnet MS/TP device and you are up and running.
- Instant commissioning – 3 simple steps, commission the W-BACnet network in minutes.
- Mesh network – covers an entire building, utilising the mesh network as your infrastructure.
- Cognitive Coexistence™ – technology that provides industrial-grade reliability and immunity to interference.
- Range – 500 meters (line-of-sight) per hop in the mesh network.

- Self-optimising network – the mesh network will always find the best way to send messages between devices through the network.
- 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.



## 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 stage shows 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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FAQ

- **Q: How many devices can be connected to the W-BACnet Gateway?**
  - A: The W-BACnet Gateway can connect up to 100 W-BACnet Nodes, each capable of connecting to multiple BACnet devices.
- **Q: Is the installation process complex?**
  - A: No, the plug-and-play capabilities of W-BACnet make the installation process quick and easy, reducing complexity and time required.

Documents / Resources

	<p><a href="#">lumenradio W-BACnet BACnet MS-TP Through Reliable Wireless Mesh [pdf]</a> Owner's Manual</p> <p>W-BACnet WALL MOUNT, W-BACnet DIN RAIL, W-BACnet BACnet MS-TP Through Reliable Wireless Mesh, W-BACnet, BACnet MS-TP Through Reliable Wireless Mesh, MS-TP Through Reliable Wireless Mesh, Through Reliable Wireless Mesh, Reliable Wireless Mesh, Wireless Mesh</p>
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References

- [User Manual](#)

📁 LumenRadio

🔍 BACnet MS-TP Through Reliable Wireless Mesh, LumenRadio, MS-TP Through Reliable Wireless Mesh, Reliable Wireless Mesh, Through Reliable Wireless Mesh, W-BACnet, W-BACnet BACnet MS-TP Through Reliable Wireless Mesh, W-BACnet DIN Rail, W-BACnet Wall Mount, Wireless Mesh

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