

# ResIoT-X-WMBUS-868

Bridge Wireless M-Bus / LoRaWAN®

The ResIoT-X-WMBUS-868 is a compact and advanced device for wM-Bus data collection and retransmission over LoRaWAN® networks. With remote configuration, long battery life, and long-range data transmission, it is ideal for Smart Metering, Smart Grid, and Energy Monitoring projects—especially in challenging environments and remote areas with limited connectivity. Its ultra-compact design and battery-powered operation make it perfect for installation on company vehicles, ensuring efficient Walk-by and Drive-by readings. Thanks to ultra low-power technology, the ResIoT-X-WMBUS-868 offers up to 5 years of autonomous operation, with rechargeable battery kit for unlimited usage.



## Features

<b>Remote configuration</b>	Configure data collection schedules and wM-Bus data collection windows remotely via LoRaWAN® commands
<b>Long-lasting Battery Life</b>	Ultra low-power technology ensures up to 7 years of maintenance-free operation. ResIoT-X-WMBUS-868-B model: Powered by 2x long-life LiSOC12 batteries ResIoT-X-WMBUS-868-R model: Powered by 2x rechargeable Li-Ion batteries, with USB charging and a 12VDC vehicle connector included
<b>Wide Coverage</b>	Long-range LoRaWAN® retransmission enables data collection even in remote or hard-to-reach areas
<b>Ultra-Compact Design</b>	9x6.5x3cm, weight 112g. Durable plastic case. Protection rating: IP68 (ResIoT-X-WMBUS-868-B model), IP54 (ResIoT-X-WMBUS-868-R model)
<b>Flexible Installation</b>	Quick and easy installation anywhere. Includes 3M Dual Lock™ for secure mounting on vehicles or surfaces, both indoor and outdoor. Multiple mounting options (pole or wall) with dedicated mounting holes (slot size: 3x7mm)
<b>wM-Bus Compatibility</b>	Supports wM-Bus protocol in C and T modes at 868.95 MHz
<b>LoRaWAN® Specifications</b>	Authentication options: OTAA or ABP (Class A). Compliant with LoRaWAN® 1.03 protocol
<b>Walk-by &amp; Drive-by</b>	Designed for walk-by and drive-by readings, enabling fast and efficient data collection, even from company vehicles
<b>Smartphone App</b>	Dedicated mobile app for wireless device activation and control via NFC

## ResIoT-X-WMBUS-868-B

IP68 with LiSOC12 batteries

Ultra low-power, compact, and waterproof (IP68) device, designed to withstand dust, water, and extreme environmental conditions. Battery-powered, it ensures up to 5 years of maintenance-free operation. Ideal for outdoor installations in remote or hard-to-reach areas, providing reliable and continuous performance over time. Package includes: 1x ResIoT-X-WMBUS-868-B with batteries, 1x 3M Dual Lock™ for secure mounting



## ResIoT-X-WMBUS-868-R

IP54 with rechargeable Li-Ion batteries

USB-rechargeable batteries for unlimited operation time. Perfect for users who need a continuously operational device without battery replacements or power concerns. Easy to recharge, making it ideal for indoor applications, environments with periodic access to power, or installation on company vehicles. Optimized for Walk-by and Drive-by readings. Package includes: 1x ResIoT-X-WMBUS-868-R with batteries, 1x 3M Dual Lock™ for secure mounting, 1x USB charging kit + 12VDC vehicle adapter

