

# Metbox Wireless M-Bus Battery Gateway

NB-IoT / Wireless M-Bus Gateway

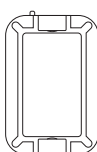
## Product Overview

The Metbox Wireless Gateway is an industrial-grade NB-IoT enabled data gateway designed for reliable remote collection and transmission of Wireless M-Bus meter data. It securely bridges unidirectional Wireless M-Bus devices with cloud or backend systems via cellular connectivity. The device is optimized for outdoor and harsh environments, offering robust hardware, long-range radio performance, and fast, intuitive deployment.

## Key Features

- Long-range Wireless M-Bus communication at 868 MHz
- NB-IoT cellular connectivity for reliable data backhaul
- OMS 3.x & 4.x compliant
- IP67-rated waterproof and dustproof enclosure
- Fast setup via local Bluetooth interface
- Internal antenna with SMA connector for optional external antenna
- Two-battery system for prolonged maintenance-free operation

## Dimensions



Height:  
135 mm

Length:  
90 mm

Depth:  
40 mm



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## Wireless Radio

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Wireless standard	Wireless M-Bus (OMS compliant)
OMS compliance	OMS 3x & 4x
Communication mode	Uni-directional
Frequency band	868 MHz ( $\pm 5$ MHz)
Antenna	Internal antenna
External antenna support	SMA connector (optional external antenna)

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## Configuration & Device Management

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Configuration interface	Bluetooth user interface
Local connectivity	Bluetooth 5.2
Device management	Local Bluetooth interface
Setup time	~1 minute

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## Mobile Connectivity

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Cellular technology	NB-IoT
Supported protocols	UDP, LwM2M
SIM type	Nano SIM

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## Environmental & Certifications

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Ingress Protection	IP67 (fully protected against dust and temporary water immersion)
Operating Environment	Suitable for outdoor and industrial installations
Compliance	CE

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## Hardware

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Enclosure material	ABS plastic
Protection class	IP67
Operating Temp.	-20 °C to +60 °C
Mounting options	Wall mount, Pole mount
External dimensions	135 mm x 90 mm x 40 mm

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## Battery

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Type	2x D-Size 3.6V battery
Capacity	38000 mAh
Replaceable	Yes