



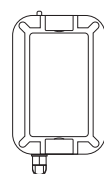
Product Overview

The Metbox Wireless Gateway is an industrial-grade LTE-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
- LTE Cat-1 cellular connectivity for reliable data backhaul
- OMS 3.x & 4.x compliant
- IP67-rated waterproof and dustproof enclosure
- Fast setup via local WiFi hotspot and web interface
- Internal antenna with SMA connector for optional external antenna
- Low power consumption for continuous operation

Dimensions



Height:
170 mm

Length:
90 mm

Depth:
40 mm

Wireless Radio

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

Mobile Connectivity

Cellular technology	LTE Cat-1
Supported protocols	TCP/IP, HTTP, HTTPS, MQTT
SIM type	Nano SIM

Hardware

Enclosure material	ABS plastic
Protection class	IP67
Operating Temp.	-20 °C to +60 °C
Mounting options	Wall mount, pole mount
External dimensions	170 mm x 90 mm x 40 mm

Power

Input voltage	230 VAC
Power consumption	10 W
Surge protection	6 kV

Configuration & Device Management

Configuration interface	Web-based user interface
Local connectivity	WiFi 2.4 GHz hotspot
Device management	Local WiFi interface
Setup time	~1 minute

Environmental & Certifications

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