

DATA SHEET

wM-Bus-Gateway-230V-LC
SKU: 911131369

FEATURES

- wM-Bus
- LTE-M (CAT-M1) / NB-IoT
- NFC
- External power supply 230V



OVERVIEW

The wM-Bus-Gateway-230V-LC connects meters via wM-Bus (S, T, C) and the OMS protocol to the latest generation of mobile networks (LTE CAT-M1, CAT-NB1, CAT-NB2). The micro SIM card holder and an eSIM that can be equipped allow for flexible selection of the network operator.

Attempts at tampering are prevented by the opening requiring a special tool. Commissioning takes place in the closed housing by means of a reed contact. The gateway can be conveniently configured on site via smartphone using an NFC tag.

- Mobile communications: LTE CAT-M1 / CAT-NB1 (NB-IoT) / CAT-NB2, micro SIM or eSIM
- Radio protocols: wM-Bus (EN 13757-4) and OMS (Open Metering Standard)
- Power supply: 24 V DC (external power supply)
- Commissioning: Activation via NFC or reed contact without opening the housing
- Tamper protection: Housing can only be opened with a special tool
- Housing: For indoor use

Thanks to its robust design and standard-compliant interfaces, the gateway is ideal for smart metering and industrial IoT applications with low installation and maintenance requirements.

PLACE OF USE

- Indoors

TARGET GROUP

- Metering service provider
- Landlords

UNIQUE SELLING POINT

- Low Power
- Commissioning in closed housing
- Tamper-proof design
- Digital nameplate

TECHNICAL DATA

MICROCONTROLLER/PROCESSOR

Processor	High-performance processor
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INTERFACES

LTE CAT-M1 / CAT-NB1 / CAT-NB2	B3, B8, B20
wM-Bus / OMS	868MHz
NFC-Tag	ISO/IEC 14443

ADDITIONAL PROPERTIES

Display elements	Piezo buzzer, 75dB@10cm 1x green LED
Control elements	Reed contact for maintenance mode

POWER SUPPLY

Voltage (Power supply)	230VAC
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ENVIRONMENTAL CONDITIONS

Operating location	Indoor, protect from direct sun
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +60°C
Transport temperature	-40 °C to +60 °C
Gradient of temperature	5 K/min (avoid dew)
Relative humidity	Max. 70%, avoid dew
Height above sea level	up to 2000 m
Height above sea level (Storage/transport)	up to 3000 m, DIN 60204 / IEC 61131-2; at least 70 kPa Air Pressure
Gases	Avoid highly concentrated corrosive gases (e.g., H ₂ S, SO ₂ , Cl ₂ , HCl, etc.) -> Corrosion of the sensor structure and sensitivity attenuation

DIRECTIVES

2014/53/EU	Radio Equipment Directive
2011/65/EU	Restriction of certain Hazardous Substances (ROHS)
2012/19/EU	Waste of Electrical and Eletronic Equipment (WEEE)

MECHANICAL STRUCTURE

Protection class housing	Protection against dripping water and dust in damaging quantities
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