

WM-Bus - LoRaWAN gateway

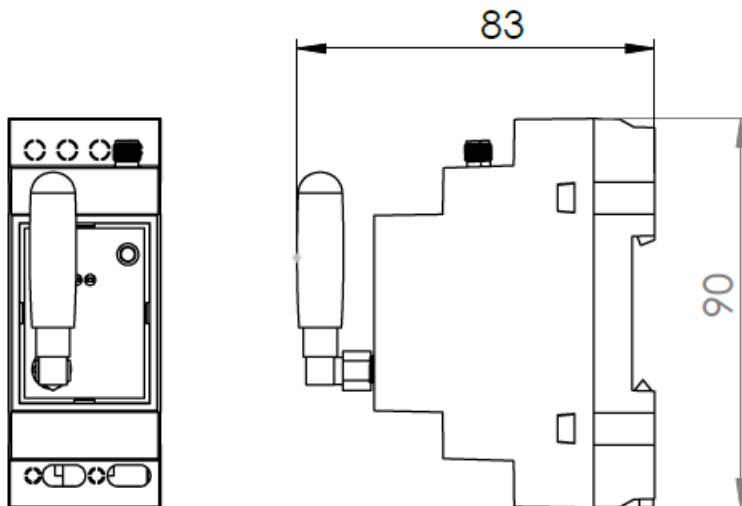
Description

This datasheet covers DS Energy's WM-Bus (Wireless M-Bus) to LoRaWAN Gateway, which enables communication with WM-Bus devices from a remote location. Communication from the WM-Bus device is received by the gateway and transmitted via LoRaWAN to a LoRaWAN gateway, which can forward the relevant data to the appropriate server. The relevant data can be accessed from DS Energy's backend in a simple and intuitive manner.

The module can read its configuration via LoRaWAN downlink, making it possible to communicate with the WM-Bus device remotely via the internet.

The module is particularly well suited for reading measurement data from an electricity meter, water meter, gas meter or other energy meter with a WM-Bus interface. Data from other WM-Bus products can also be connected to the WM-Bus gateway for remote reading or remote configuration.

Physical dimensions and specifications



Dimensions:	36 mm (2 modules) X 83 mm X 90 mm
IP Rating:	20
Mechanical mounting:	DIN rail
Case material:	ABS plastic
Terminal type:	spring terminals 5 mm
Wire size:	Up to 1.5 mm ²

Operating temperature:	-20 °C to +60 °C
Storage temperature:	-40 °C to +85 °C
Relative humidity:	max. 90% RH (non-condensing at 40 °C)

Communication and connection



Supply voltage:	24VDC eller 230VAC
-----------------	--------------------

NOTE! The 24VDC terminals cannot withstand 230VAC. Supplying 230VAC to the 24VDC terminals will damage the module, and the warranty does not cover this incorrect installation.

Wireless LoRaWAN:	LoRaWAN® (LoRaWAN® network)
LoRaWAN wireless frequency:	EU 868 MHz ISM band or US 915 MHz ISM band
Transmission interval:	5 min to 24 hours
LoRaWAN antenna:	SMA-RP Female connector for fixed antenna. Option for extension cable to external antenna.

WM-Bus wireless frequency:	868 MHz
Supported modes:	S, T and C
WM-Bus antenna:	SMA Female. Various antenna options.

Compliance

Temperature:	EN 60068-2-1, EN 60068-2-2 and EN 60068-2-14
EMC:	EN 61000-6-2 (Immunity standard for industrial environments) EN 61000-6-3 (Emission standard for industrial environments)

