

Datasheet for the INMBSMEBxxx0100 Gateway

Gateway Capacity

The INMBSMEBxxx0100 gateway is offered in two versions:

ORDER CODE	CAPACITY
INMBSMEB0200100	20 devices
INMBSMEB0500100	50 devices

M-BUS to Modbus TCP Server Gateway



Main Features

- Embedded level converter. Direct connection to M-Bus devices with no extra hardware required.
- Scan function: detect M-Bus devices and their available registers automatically.
- Import/Export of M-Bus device templates.
- Baud rate configurable within the M-Bus allowed range (300 to 9600 bps). The devices are normally configured at 2400 bps).
- Specific parameters and timeouts are available to maximize compatibility with any possible peculiarity between different meter manufacturers.
- Availability of variables for communication errors, both at meter and general level, helping you to know if the communication with one or more meters has failed.
- Flexible configuration using the Intesis MAPS configuration tool.

Included Components

- Intesis INMBSMEBxxx0100 gateway
- Installation sheet

Mounting

The INMBSMEBxxx0100 gateway can be mounted over a wall or a DIN rail.



DIN rail mounting inside a grounded metallic cabinet is recommended.

Configuration

Configure the gateway with Intesis MAPS.

- Easy configuration through templates.
- Intesis MAPS can be downloaded at:
<https://www.intesis.com/products/intesis-maps>.

Certifications

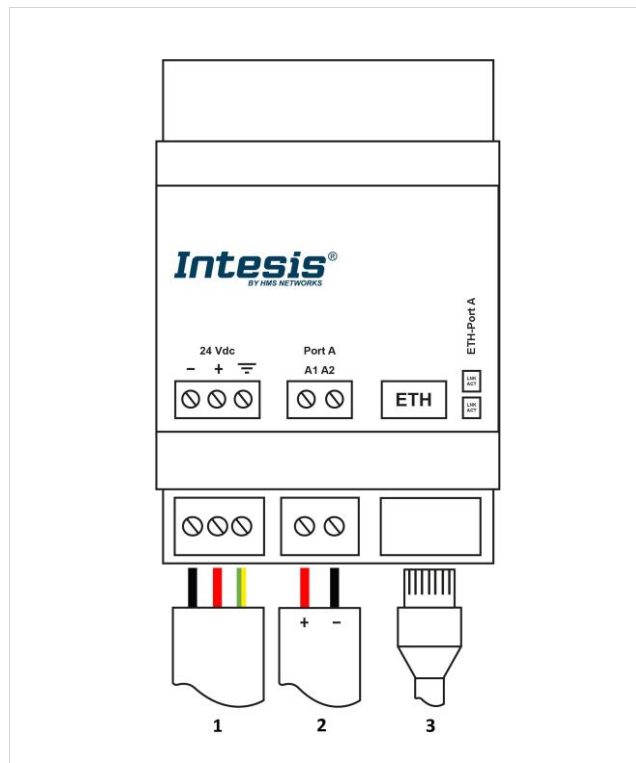
This gateway is in accordance with the following directives:

- Directive 2014/30/EC
- Directive 2014/35/EC
- Directive 2011/65/EU (RoHS 2)

Technical Specifications

Housing	Plastic, type PC (UL 94 V-0). Color: Light Grey. RAL 7035 Net dimensions (dxwxh): 93 x 53 x 58 mm / 3.6 x 2.1 x 2.3"
Mounting	Wall DIN rail (recommended mounting) EN60715 TH35
Wiring	Wire cross-section/gauge per terminal: One core: 0.2 mm ² .. 2.5 mm ² (24 .. 11 AWG) Two cores: 0.2 mm ² .. 1.5 mm ² (24 .. 15 AWG) Three cores: Not permitted Use solid or stranded wires (twisted or with ferrule) For distances longer than 3.05 meters (10 feet), use Class 2 cables
Power	1 x Green pluggable terminal block (3 poles) 24 VDC, Max.: 220 mA, 5.2 W Recommended: 24 VDC, 220 mA
Ethernet	1 x Ethernet 10/100 Mbps RJ45
Port A	1 x M-Bus port: M-Bus power consumption: 90 mA Voltage rating: 36 VDC
Op. temp.	Celsius: 0 .. 60°C / Fahrenheit: 32 .. 140°F
Op. hum.	5 to 95%, no condensation
Protection	IP20 (IEC60529)
LEDs	2 x Onboard LED indicators Ethernet Link/Speed

Wiring Diagram



Connectors		
1 Power supply (24 VDC)	2 Port A: M-Bus	3 Ethernet: Modbus TCP and console