# Datasheet for the INBACMEBxxx0100 Gateway

## Gateway Capacity

The INBACMEBxxx0100 gateway is offered in two versions:

| ORDER CODE | CAPACITY |
|---|---|
| INBACMEB0200100 | 20 devices |
| INBACMEB0500100 | 50 devices |

## M-BUS to BACnet/IP Server Gateway




The BTL seal ensures full interoperability with BACnet devices.

## 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.
- BACnet Advanced features available (Trend logs, Calendars, etc.).
- 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 INBACMEBxxx0100 gateway
- Installation sheet

## Mounting

The INBACMEBxxx0100 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

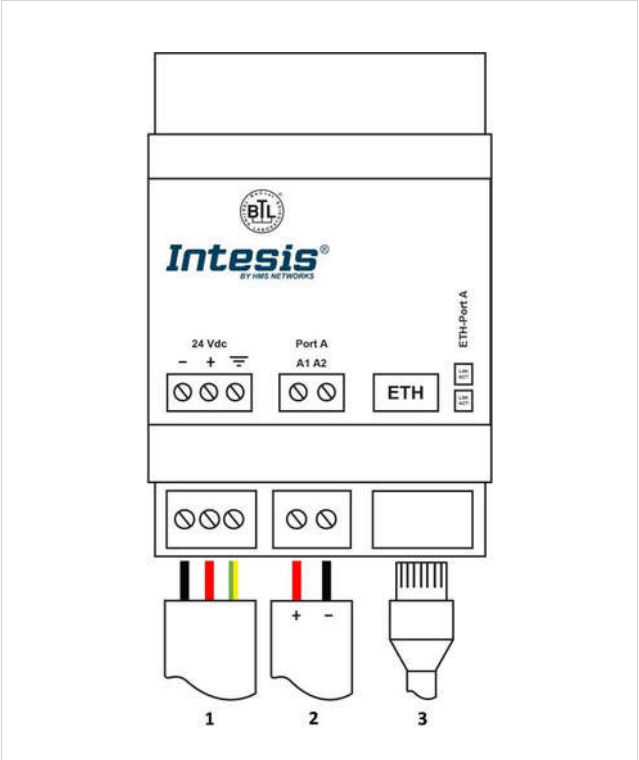
This gateway is in accordance with the following directives:

- 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<br>Net dimensions (dxwxh): 93 x 53 x 58 mm / 3.6 x 2.1 x 2.3" |
| **Mounting** | Wall<br>DIN rail (recommended mounting) EN60715 TH35 |
| **Wiring** | Wire cross-section/gauge per terminal:<br>One core: 0.2 $mm^2$ .. 2.5 $mm^2$ (24 .. 11 AWG)<br>Two cores: 0.2 $mm^2$ .. 1.5 $mm^2$ (24 .. 15 AWG)<br>Three cores: Not permitted<br>Use solid or stranded wires (twisted or with ferrule)<br>For distances longer than 3.05 meters (10 feet), use Class 2 cables |
| **Power** | 1 x Green pluggable terminal block (3 poles)<br>24 VDC, Max.: 220 mA, 5.2 W<br>Recommended: 24 VDC, 220 mA |
| **Ethernet** | 1 x Ethernet 10/100 Mbps RJ45 |
| **Port A** | 1 x M-Bus port:<br>M-Bus power consumption: 90 mA<br>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<br>Ethernet Link/Speed |

## Wiring Diagram




| Connectors | | |
|---|---|---|
| **1** Power supply (24 VDC) | **2** Port A: M-Bus | **3** Ethernet: BACnet/IP and console |

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