

## M-Bus Meters to Modbus TCP server

Item number: IN712MEB0500000

Enable fast and cost-effective integration of M-Bus meters into Modbus TCP networks. Built-in M-Bus level converter and auto-discovery features reduce setup time and simplify commissioning.



*M-Bus Meters to Modbus TCP server - Up to 50 meters*

### Features and benefits

- ✓ **Two IP protocols supported on the BMS side: BACnet/IP or Modbus TCP**  
Reduce the inventory needs while completing the building automation catalog for metering networks integration.
- ✓ **Configurable inter-polling intervals (up to 48 hours)**  
Preserve the meter's battery life, particularly in low-power or retrofit environments.
- ✓ **Embedded M-Bus level converter**  
Reduce installation costs. No extra hardware is needed.
- ✓ **Improved communication stability with advanced timeout settings**  
Support for a broader range of meters, even the most demanding or non-standard ones.
- ✓ **Flexible licensing to cover from small networks to large installations: 20 or 50 meters**  
Improve the project's scalability and reduce upfront costs.
- ✓ **Error detection of every meter device**  
Fast diagnostics and meter-level monitoring improve service quality and reduce troubleshooting time.
- ✓ **Reduce commissioning time, effort, and errors**  
Advanced commission features minimize manual input, including M-Bus scan to autodiscover M-Bus meters and import their signals, predefined configuration templates, project import/export to clone the project's configuration, and load it to all necessary gateways.
- ✓ **BTL-certified gateways**  
Easier to specify, sell, and deploy. This is a reliable product suitable for use in any project, even those with high regulatory requirements.



## General

|                              |                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Net Weight (g)               | 101                                                                                                                                                 |
| Packed Width (mm)            | 53                                                                                                                                                  |
| Packed Height (mm)           | 93                                                                                                                                                  |
| Packed Depth (mm)            | 58                                                                                                                                                  |
| Packed Weight (g)            | 202                                                                                                                                                 |
| Operating Temperature °C Min | -10                                                                                                                                                 |
| Operating Temperature °C Max | 60                                                                                                                                                  |
| Storage Temperature °C Min   | -30                                                                                                                                                 |
| Storage Temperature °C Max   | 60                                                                                                                                                  |
| Power Consumption (W)        | 11                                                                                                                                                  |
| Input Voltage (V)            | 24VDC +/-10%                                                                                                                                        |
| Power Connector              | 3-pole                                                                                                                                              |
| Configuration                | Intesis MAPS                                                                                                                                        |
| Capacity                     | Up to 50 meters                                                                                                                                     |
| Installation Conditions      | Install this gateway indoors, in a restricted access location, avoiding exposure to direct solar radiation, water, high relative humidity, or dust. |
| Content of Delivery          | Intesis gateway and installation manual.                                                                                                            |
| Not Included (in delivery)   | Power supply not included.                                                                                                                          |
| Mounting                     | DIN rail mount (bracket included)                                                                                                                   |
| Housing Materials            | Plastic                                                                                                                                             |



## General

|                    |           |
|--------------------|-----------|
| Packaging Material | Cardboard |
| Warranty (years)   | 3 years   |

## Identification and Status

|                                             |                         |
|---------------------------------------------|-------------------------|
| Product ID                                  | IN712MEB0500000_MBS_MEB |
| Predecessor                                 | INMBSMEB0500100         |
| Country of Origin                           | Spain                   |
| HS Code                                     | 8517620000              |
| Dual Usage                                  | No                      |
| Export Control Classification Number (ECCN) | EAR99                   |

## Physical Features

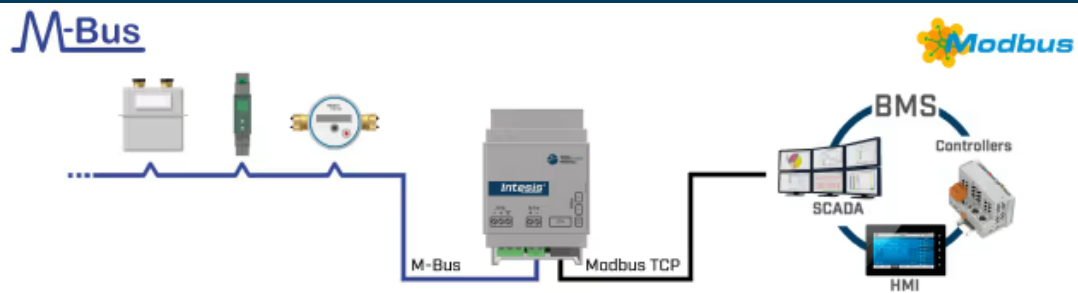
|                  |    |
|------------------|----|
| Contains Battery | No |
|------------------|----|

## Certifications and Standards

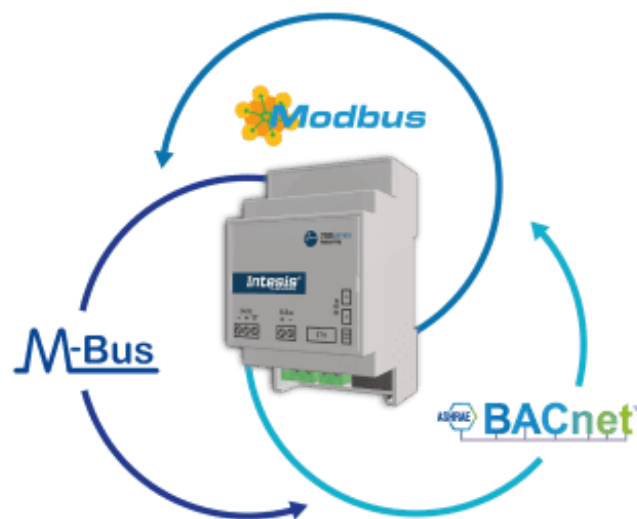
|                     |                                     |
|---------------------|-------------------------------------|
| ETIM Classification | EC001604                            |
| CE                  | Yes                                 |
| CB                  | Yes                                 |
| WEEE Category       | IT and telecommunications equipment |



## Use Case



Integration example.



Use Intesis MAPS to change the protocol: BACnet, Modbus, or M-Bus