



M-Bus, Modbus, and Digital Pulses to BACnet

Item number: IN702MEB0600000

Enable fast and cost-effective integration of Modbus devices and meters, M-Bus meters, and pulse meters into BACnet/IP and/or MS/TP systems. Built-in M-Bus level converter and auto-discovery features reduce setup time and simplify commissioning.



M-Bus, Modbus, and Digital Pulses to BACnet - Up to 60 meters

Features and benefits

- ✓ **Multiple protocols supported on the BMS side: BACnet/IP, BACnet MS/TP, Modbus TCP, Modbus RTU, and KNX TP**
Reduce the inventory needs while completing the building automation catalog for metering networks integration.
- ✓ **Flexible licensing to cover from small networks to large installations: 10, 20, 60, or 100 meters**
Improve the project's scalability and reduce upfront costs. This gateway has an embedded M-Bus Level converter.
- ✓ **Configurable inter-polling intervals (up to 48 hours)**
Preserve the meter's battery life, particularly in low-power or retrofit environments.
- ✓ **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.
- ✓ **Simultaneous connection of metering networks**
The all-in-one integration of M-Bus, Modbus TCP, Modbus RTU, and digital pulses simplifies complex metering projects, saving time and costs.
- ✓ **UL and 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.
- ✓ **Error detection of every meter device**
Fast diagnostics and meter-level monitoring improve service quality and reduce troubleshooting time.
- ✓ **Improved communication stability with advanced timeout settings**
Support for a broader range of meters, even the most demanding or non-standard ones.



General

| | |
|------------------------------|---|
| Net Weight (g) | 205 |
| Packed Width (mm) | 106 |
| Packed Height (mm) | 90 |
| Packed Depth (mm) | 58 |
| Packed Weight (g) | 330 |
| Operating Temperature °C Min | -10 |
| Operating Temperature °C Max | 60 |
| Storage Temperature °C Min | -30 |
| Storage Temperature °C Max | 60 |
| Power Consumption (W) | 17 |
| Input Voltage (V) | 24VDC +/-10% |
| Power Connector | 3-pole |
| Capacity | Up to 60 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, Installation Manual, USB Configuration cable. |
| Not Included (in delivery) | Power supply not included. |
| Mounting | DIN rail mount (bracket included) |
| Housing Materials | Plastic |
| Packaging Material | Cardboard |



General

| | |
|------------------|---------|
| Warranty (years) | 3 years |
|------------------|---------|

Identification and Status

| | |
|---|-------------------------|
| Product ID | IN702MEB0600000_BAC_MEB |
| Predecessor | INBACMEB0600000 |
| Country of Origin | Spain |
| HS Code | 8517620000 |
| Dual Usage | No |
| Export Control Classification Number (ECCN) | EAR99 |

Physical Features

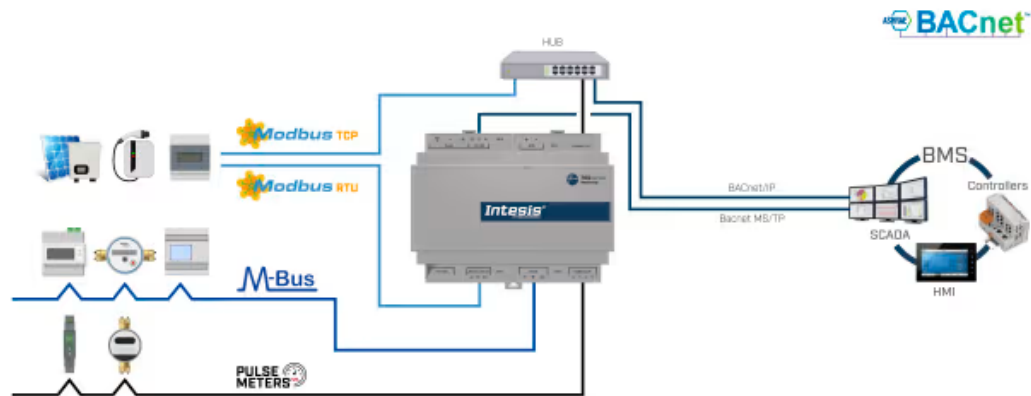
| | |
|-----------------------|---|
| LED Indicators | Gateway and communication status. |
| DIP & Rotary Switches | EIA-485 serial port configuration. |
| Contains Battery | No |
| Battery Description | Manganese Dioxide Lithium button battery. |

Certifications and Standards

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



Use Case



Integration example.



Use Intesis MAPS to configure the product for the device-protocol combination that best fits your project