



M-Bus, Modbus, and Digital Pulses to KNX

Item number: IN702MEB1000000

Enable fast and cost-effective integration of Modbus devices and meters, M-Bus meters, and pulse meters into KNX 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 KNX - Up to 100 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 100 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
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Identification and Status

Product ID	IN702MEB1000000_KNX_MEB
Predecessor	INKNXMEB1000000
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

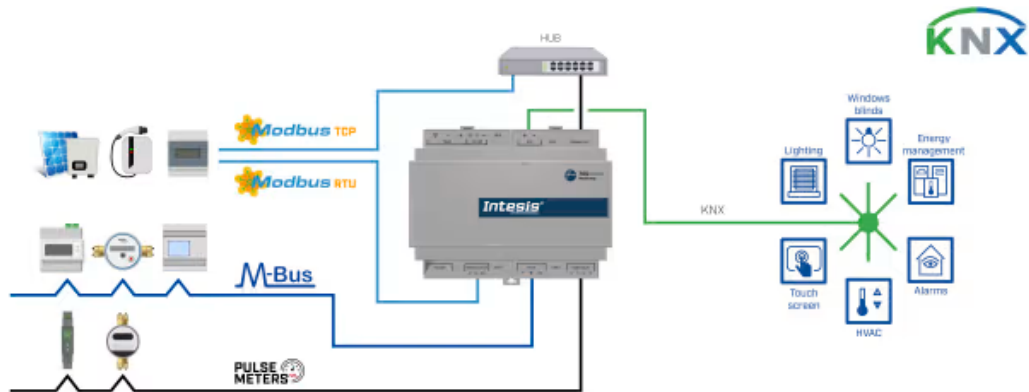
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	No
Battery Description	Manganese Dioxide Lithium button battery.

Certifications and Standards

ETIM Classification	EC001604
CE	Yes
CB	Yes
UL	Yes
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