Intesis®
BY HMS NETWORKS

M-BUS to Modbus TCP Server Gateway

Item number: INMBSMEB0200100

Integrate any M-Bus device with a Modbus TCP BMS or controller. This integration aims to make M-Bus devices, their registers, and resources accessible from a Modbus-based control system or device as if they were a part of the Modbus system and vice versa.

M-BUS to Modbus TCP - 20 devices

Features and benefits

✓ **Up to six concurrent Modbus TCP clients supported**

The gateway supports up to six simultaneous Modbus TCP clients.

✓ **Easy integration with Intesis MAPS**

The integration process is quickly and easily managed using the Intesis MAPS configuration tool.

✓ **Configuration tool and gateway automatic updates**

Both the Intesis MAPS configuration tool and the gateway's firmware can receive automatic updates.

✓ **Automatic meter detection and register discovery**

A scan function is available for automatic identification of M-Bus devices and registers discovery.

✓ **Modbus TCP supported**

Support for Modbus TCP via Ethernet port.

✓ **Commissioning-friendly approach with Intesis MAPS**

Templates can be imported and reused as often as needed, significantly reducing commissioning time.

✓ **Configuration through IP (Console) port**

Configuration can be carried out through the gateway's IP (Console) port.

✓ **Embedded M-Bus level converter**

An M-Bus level converter is embedded in the gateway, so no external one is required.

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General

Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	92
Packed Width (mm)	120
Packed Height (mm)	80
Packed Depth (mm)	100
Packed Weight (g)	196
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	5.2
Input Voltage (V)	24 VDC, Max.: 220 mA, 5.2 W
Power Connector	3-pole
Configuration	Intesis MAPS
Capacity	Up to 20 meters.
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.
Content of Delivery	Intesis gateway and installation manual.

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General

Not Included (in delivery)	Power supply not included.
Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INMBSMEB0200100
Country of Origin	Spain
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

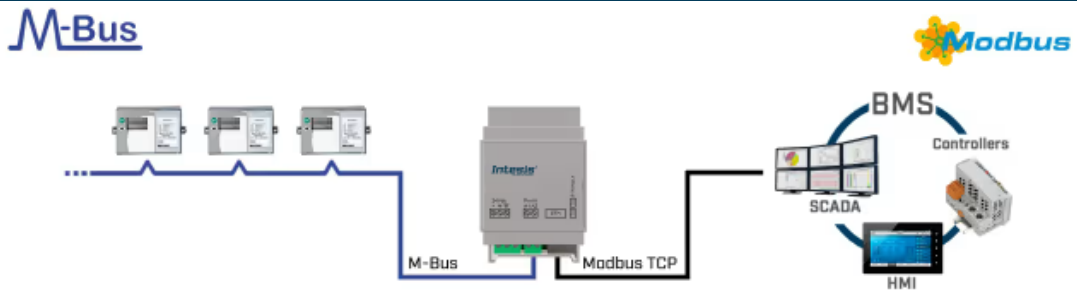## Physical Features

Connectors / Input / Output	Power supply, M-BUS, Ethernet.
LED Indicators	Gateway and communication status.

Certifications and Standards

ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment

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Use Case

Integration example.