Modbus TCP & RTU Master to BACnet/IP & MS/TP Server Application

Item number: IN7004851000000

Integrate any Modbus RTU or TCP server device, or both simultaneously, with a BACnet BMS or any BACnet/IP or BACnet MS/TP controller. This integration aims to make Modbus signals and resources accessible from a BACnet-based control system or device as if they were a part of the BACnet system and vice versa.



Modbus TCP & RTU to BACnet/IP & MS/TP - 100 points

Features and benefits

- **BACnet/IP client and MS/TP manager support**
  Both BACnet/IP client and MS/TP manager are supported.
- **Commissioning-friendly approach with Intesis MAPS**
  Templates can be imported and reused as often as needed, significantly reducing commissioning time.
- **BACnet Advanced features - calendars, schedules...**
  BACnet's advanced features, such as calendars, trend logs, schedules, and more, are available.
- **32 RTU devices per port with no repeater (255 max)**
  The gateway supports up to 32 Modbus devices per RTU node (without repeater) and up to 255 in total.
- **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.
- **Two Modbus RTU lines for BACnet/IP integration**
  Two independent Modbus RTU ports are available for BACnet/IP integrations.
- **Template download/generation for Modbus products**
  Modbus device templates can be generated, imported locally, or downloaded from a repository.

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General

Capacity	Up to 100 points
Net Width (mm)	88
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	125
Packed Height (mm)	85
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	-10º
Operating Temperature °C Max	60º
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	1.7
Input Voltage (V)	For DC: 9 .. 36 VDC, Max: 260 mA, 2.4 WFor AC: 24 VAC ±10 %, 50-60 Hz, Max: 100 mA, 2.4 WRecommended voltage: 24 VDC, Max: 100 mA
Power Connector	3-pole
Configuration	Intesis MAPS
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, installation manual and USB configuration cable.

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General

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

Identification and Status

Product ID	IN7004851000000_BAC_MBS
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

Physical Features

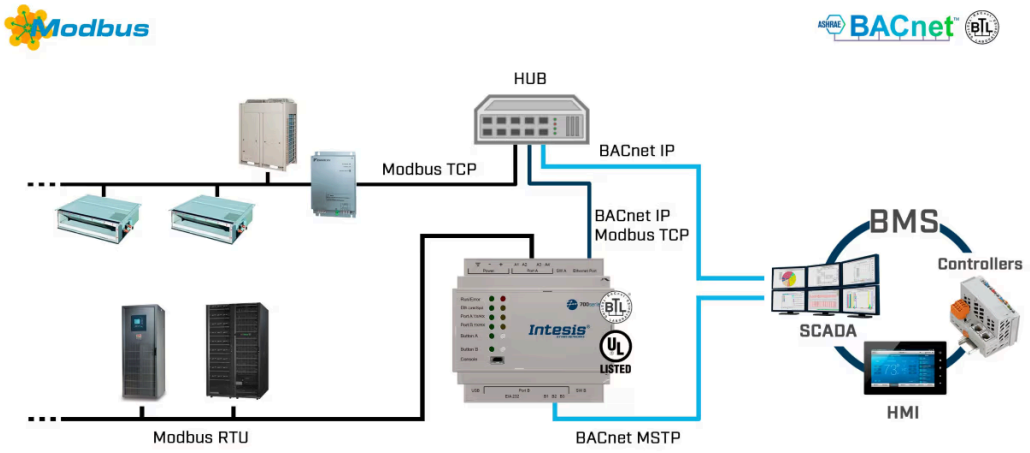
Connectors / Input / Output	Power supply, two EIA-485 ports, Ethernet, Console port USB Mini-B type, USB storage, EIA-232.
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	Yes
Battery Description	Manganese Dioxide Lithium button battery.

Certifications and Standards

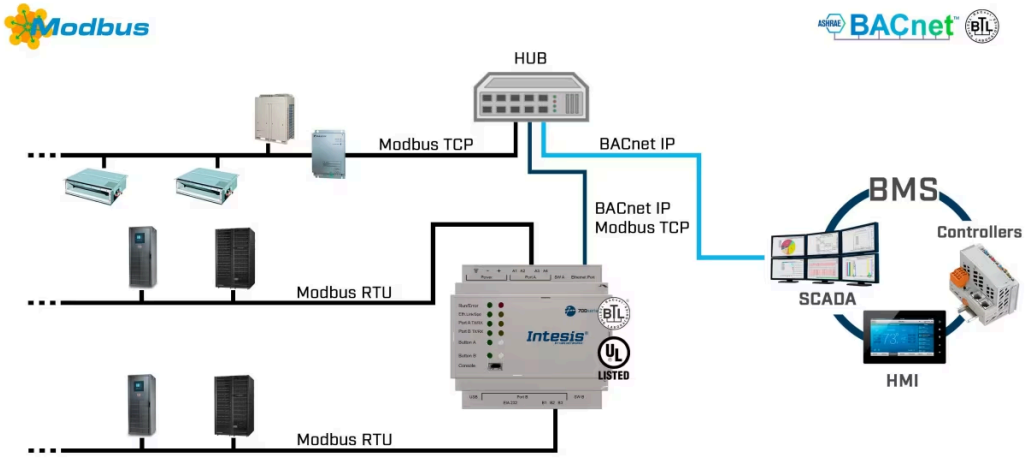
Product Certifications	CE, CB, UKPSTI, UL, KC, BTL, DALI-2
WEEE Category	IT and telecommunications equipment

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Use Case



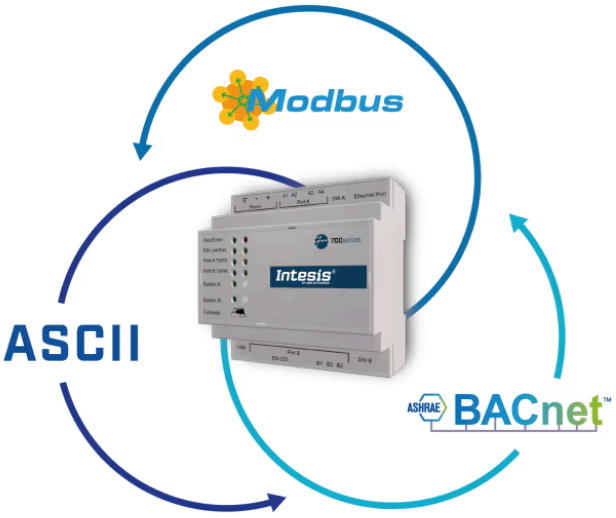
Integration example.



Integration example.

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Use Case



Use Intesis MAPS to change the protocol: BACnet, Modbus or ASCII