Modbus TCP & RTU Master to KNX TP Application

Item number: IN701KNX2500000

Integrate any Modbus RTU or TCP server device, or both simultaneously, with any KNX device or system. This integration aims to make Modbus register data and resources accessible from a KNX system as if they were a part of the KNX system and vice versa.



Modbus TCP & RTU to KNX - 250 points

Features and benefits

- **Up to six concurrent Modbus TCP clients supported**
  The gateway supports up to six simultaneous Modbus TCP clients.
- **Commissioning-friendly approach with Intesis MAPS**
  Templates can be imported and reused as often as needed, significantly reducing commissioning time.
- **Support for KNX TP devices**
  The gateway supports KNX TP (twisted pair) devices.
- **KNX standard Datapoint Types (DPT) available**
  KNX standard Datapoint Types (DPT) are available to be used for transmission of data on the bus.
- **Support for both Modbus RTU and Modbus TCP**
  The gateway supports both Modbus RTU and Modbus TCP protocols.
- **Configuration tool and gateway automatic updates**
  Both the Intesis MAPS configuration tool and the gateway's firmware can receive automatic updates.
- **Control up to 3000 KNX communication objects**
  Up to 3000 KNX communication objects can be controlled by the gateway.
- **Up to 255 Modbus Devices per Node (RTU and TCP)**
  A maximum of 255 Modbus Devices per Node can be connected for both Modbus RTU and Modbus TCP.

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General

Capacity	Up to 250 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: 180 mA, 1.7 W For AC: 24 VAC ±10 %, 50-60 Hz, Max: 70 mA, 1.7 W Recommended voltage: 24 VDC, Max: 70 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	IN701KNX2500000_KNX_MBS
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

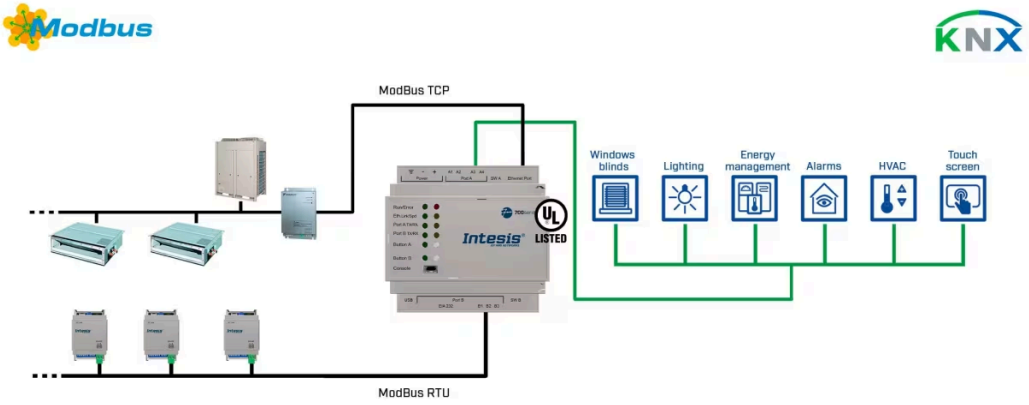
Physical Features

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

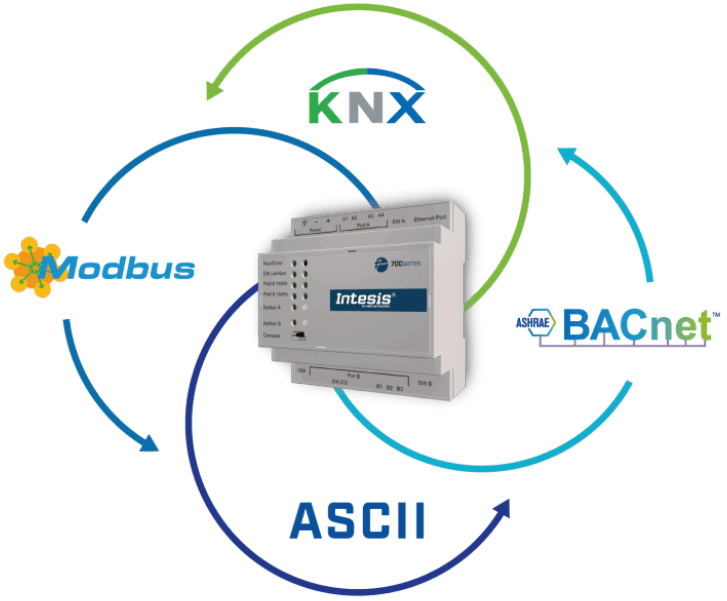
Certifications and Standards

Product Certifications	CE, CB, UKPSTI, UL, KC
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.



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