Product Banner

Modbus TCP & RTU Master to KNX TP Application

Item number: IN701KNX6000000

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 - 600 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

Net Width (mm)	88
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	127
Packed Height (mm)	86
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	-10
Operating Temperature °C Max	60
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 WFor AC: 24 VAC ±10 %, 50-60 Hz, Max: 70 mA, 1.7 WRecommended voltage: 24 VDC, Max: 70 mA
Power Connector	3-pole
Configuration	Intesis MAPS
Capacity	Up to 600 points.
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, 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	IN701KNX6000000_KNX_MBS
Country of Origin	Spain
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

Physical Features

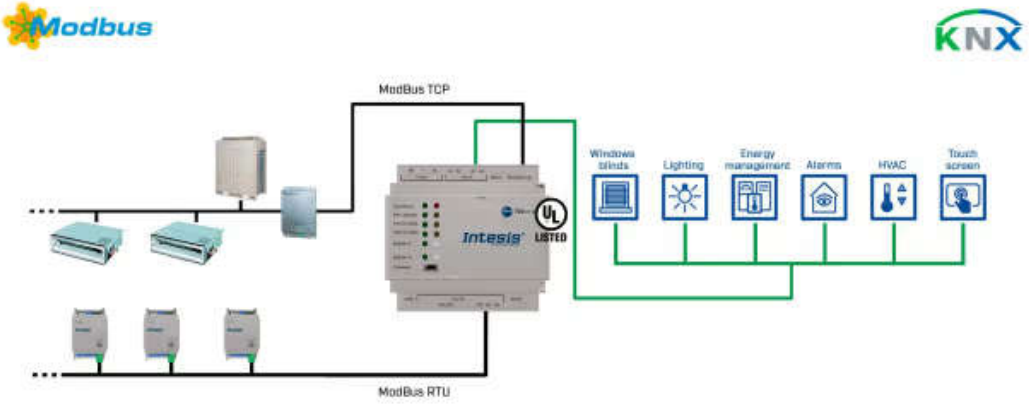
Connectors / Input / Output	Power supply, KNX, Ethernet, Console port USB Mini-B type, USB storage, EIA-232, EIA-485.
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration.
Battery Description	Manganese Dioxide Lithium button battery.

Certifications and Standards

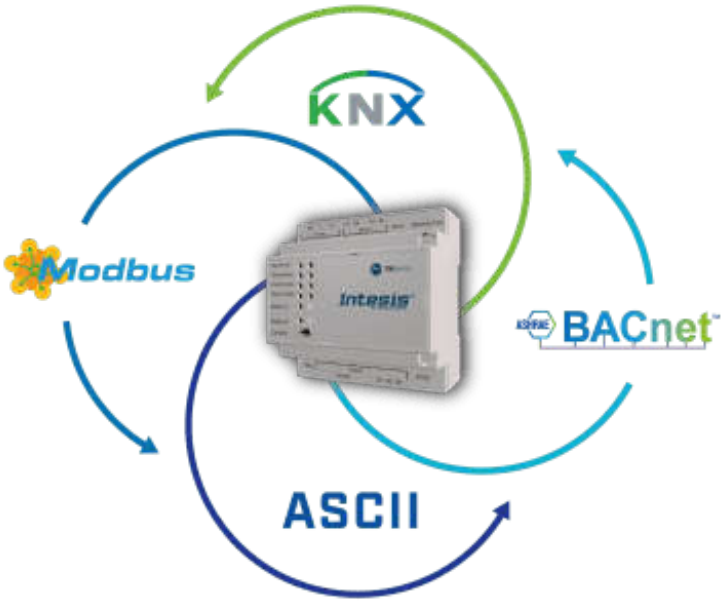
ETIM Classification	EC001604
WEEE Category	IT and telecommunications equipment

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Use Case



Integration example.



Integration example.