KNX TP to BACnet/IP & MS/TP Server Application



Item number: IN701KNX1000000

Integrate any KNX device or installation with a BACnet BMS or any BACnet/IP or BACnet MS/TP controller. This integration aims to make KNX communication objects and resources accessible from a BACnet-based control system or device as if they were a part of the BACnet system and vice versa.

KNX to BACnet/IP & MS/TP - 100 points

Features and benefits

- **Support for BACnet/IP client**
  The gateway supports the BACnet/IP client protocol.
- **Commissioning-friendly approach with Intesis MAPS**
  Templates can be imported and reused as often as needed, significantly reducing commissioning time.
- **Control up to 3000 KNX communication objects**
  Up to 3000 KNX communication objects can be controlled by the gateway.
- **Easy integration with Intesis MAPS**
  The integration process is quickly and easily managed using the Intesis MAPS configuration tool.
- **Support for KNX TP devices**
  The gateway supports KNX TP (twisted pair) devices.
- **BACnet Advanced features - calendars, schedules...**
  BACnet's advanced features, such as calendars, trend logs, schedules, and more, are available.

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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: 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
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)	1 years
Packaging Material	Cardboard

Identification and Status

Product ID	IN701KNX1000000_BAC_KNX
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

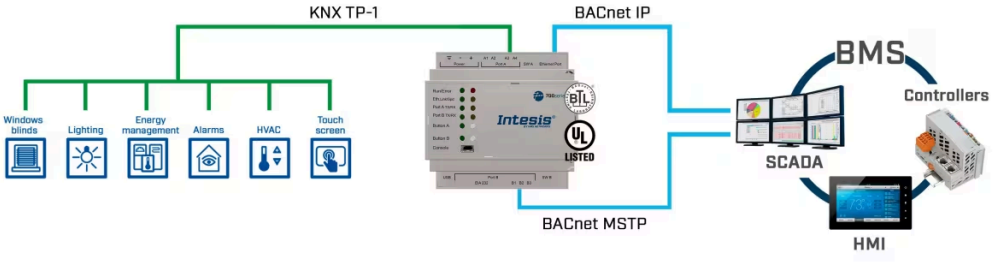
Physical Features

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.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	Yes
Battery Description	Manganese Dioxide Lithium button battery.

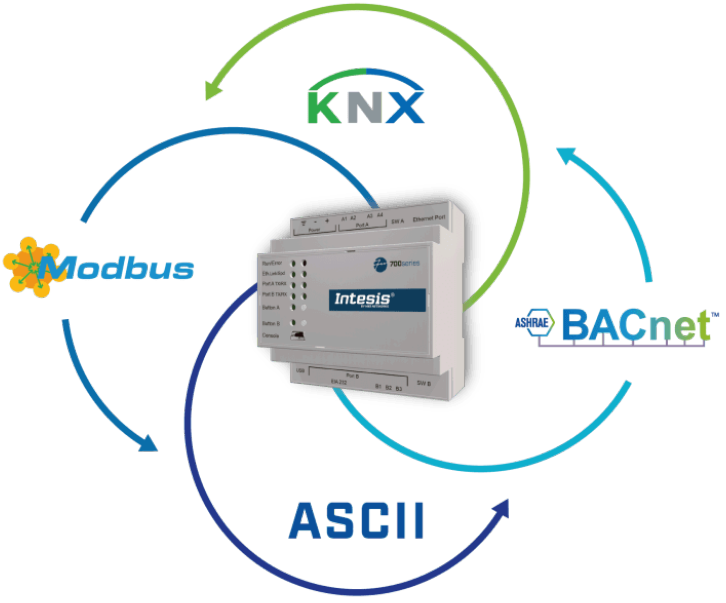
Certifications and Standards

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

Use Case



Integration example.



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