PROFINET - BACnet/IP & MS/TP Server Gateway

Item number: INBACPRT1K20000

The Intesis BACnet-PROFINET gateway allows you to seamlessly interconnect PLC/BMS systems and their connected devices between BACnet/IP and MS/TP control systems and PROFINET networks. The gateway works as a BACnet server on the BACnet side and as a PROFINET I/O device on the PROFINET side and is configured via the Intesis MAPS configuration tool.

PROFINET to BACnet/IP & MS/TP - 1200 points

Features and benefits

- **Support for BACnet/IP or BACnet MS/TP server**
  BACnet/IP (via Ethernet) or BACnet MS/TP (via EIA-485) server connection options are supported.
- **PROFINET-IO adapter interface (Anybus technology)**
  The gateway uses PROFINET-IO Anybus technology, which uses the award-winning NP40 network processor.
- **Input and output data support (up to 500 bytes)**
  Data transmission supports a maximum of up to 500 bytes of input and output data.
- **BACnet Advanced features - calendars, schedules…**
  BACnet's advanced features, such as calendars, trend logs, schedules, and more, are available.
- **GSDML and TAG configuration files export option**
  GSDML and TAG configuration files can be exported for easy integration into Profinet PLCs.
- **Configuration tool and gateway's automatic updates**
  Both the Intesis MAPS configuration tool and the gateway's firmware can receive automatic updates.

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General

Net Width (mm)	160
Net Height (mm)	130
Net Depth (mm)	100
Net Weight (g)	289
Packed Width (mm)	197
Packed Height (mm)	85
Packed Depth (mm)	120
Packed Weight (g)	451
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	4.4
Input Voltage (V)	24VDC +/-10% Max.580mA
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, USB Configuration cable.
Not Included (in delivery)	Power supply not included.

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General

Mounting	DIN rail mount (bracket included)
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	INBACPRT1K20000
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	Power supply, EIA-485, Ethernet, Console port USB, USB storage, EIA-232, Profinet RJ-45.
LED Indicators	Gateway and communication status.
Push Buttons	Sends to Broadcast I-Am message.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	Yes
Battery Description	Manganese Dioxide Lithium button battery.

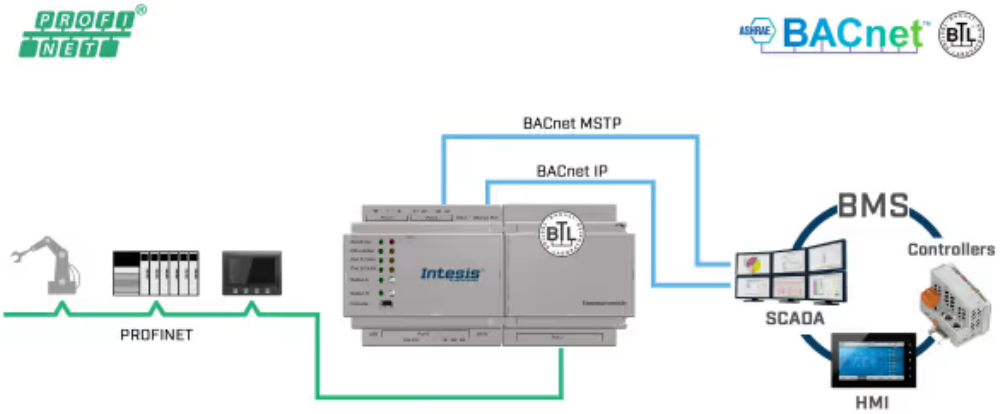
Certifications and Standards

CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes

Certifications and Standards

BTL	Yes
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.