



## Overview of products

---

*BACnet/IP Server gateways designed for integration of third party systems into BACnet/IP based control systems*

**IntesisBox<sup>®</sup> BACnet/IP Server - KNX**  
**IntesisBox<sup>®</sup> BACnet/IP Server - M-Bus (EN 13757-3)**  
**IntesisBox<sup>®</sup> BACnet/IP Server - Modbus RTU master**

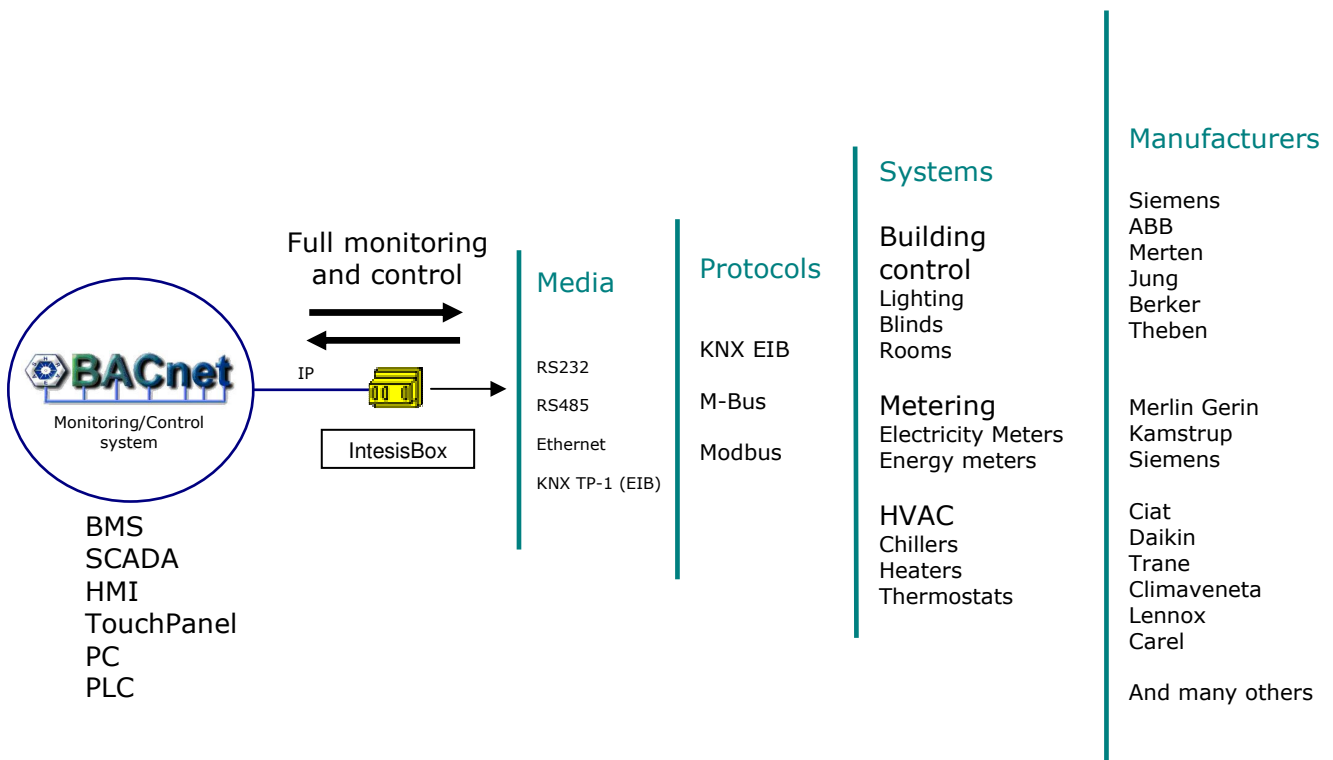
*BACnet/IP Client gateways designed for integration of BACnet/IP devices or systems into other control systems (KNX, Modbus, AMX, Crestron....)*

**IntesisBox<sup>®</sup> KNX - BACnet/IP client**  
**IntesisBox<sup>®</sup> Modbus Server - BACnet/IP client**  
**IntesisBox<sup>®</sup> ASCII Server - BACnet/IP client**

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

# IntesisBox<sup>®</sup> BACnet/IP Server series

BACnet/IP Server gateways designed for integration of third party systems into BACnet/IP based control systems



TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox® BACnet/IP Server - KNX

Ref. IBOX-BAC-KNX-A / IBOX-BAC-KNX-B



### Gateway for monitoring and control KNX EIB installations from BACnet/IP control systems (SCADA, BMS, PLC, HMI, TouchPanels...)

- IBOX-BAC-KNX-A and IBOX-BAC-KNX-B have been designed to offer full monitoring and control of KNX EIB installations from BACnet/IP control systems (SCADA, BMS, PLC...).
- Connects directly to the EIB bus in one side, and in the other side it communicates to the monitoring/control system via BACnet/IP protocol.
- Bi-directional monitoring and control of KNX EIB devices from BACnet. Group addresses and KNX data types fully configurable in the KNX interface. COV and Polling supported in the BACnet/IP interface. Monitoring/control of KNX data points from BACnet through *present\_value* property of AI, AO, AV, DI, DO, DV, MI, MO, MV objects.
- IBOX-BAC-KNX-A supports up to 500 points, and IBOX-BAC-KNX-B supports up to 3000 points.
- IntesisBox BACnet/IP Server series are configured using *LinkBoxBacnet*, a software tool for windows™ which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxBacnet with no additional cost, making the configuration of IntesisBox for this integration extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_BACnet\\_IP\\_Server\\_KNX\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_BACnet_IP_Server_KNX_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox<sup>®</sup> BACnet/IP Server - M-Bus (EN 13757-3)

Ref. IBOX-BAC-MBUS-A / IBOX-BAC-MBUS-B



### Gateway for the monitoring of M-Bus meters from BACnet/IP control systems (SCADA, BMS, PLC, HMI, TouchPanels...)

- IBOX-BAC-MBUS-A and IBOX-BAC-MBUS-B have been designed to monitor M-Bus meters (EN 13757-3) from any BACnet/IP based control system (SCADA, BMS, PLC...).
- Connects to the M-Bus system through an external RS232 or RS485 to M-Bus level converter in one side, and in the other side it communicates to the monitoring/control system via BACnet/IP protocol.
- Monitoring of M-Bus meters' readings from BACnet. Meters' internal registers to poll fully configurable in the M-Bus interface. COV and Polling supported in the BACnet/IP interface. M-Bus meters' readings available in BACnet through *present\_value* property of standard Bacnet objects.
- IBOX-BAC-MBUS-A allows monitoring of up to 60 M-Bus meters and a maximum of 600 internal data points, and IBOX-BAC-MBUS-B allows monitoring of up to 500 M-Bus meters and a maximum of 2000 internal data points.
- IntesisBox BACnet/IP Server series are configured using *LinkBoxBacnet*, a software tool for windows<sup>™</sup> which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxBacnet with no additional cost, making the configuration of IntesisBox for this integration extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_BACnet\\_IP\\_server\\_M-Bus\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_BACnet_IP_server_M-Bus_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox<sup>®</sup> BACnet/IP Server - Modbus RTU master

Ref. IBOX-BAC-MBRTU-A / IBOX-BAC-MBRTU-B



**Gateway for integration of Modbus RTU slave devices (thermostats, electricity meters, chillers, heating floors, PLCs...) into BACnet/IP control systems.**

- IBOX-BAC-MBRTU-A and IBOX-BAC-MBRTU-B have been designed to offer full monitoring/control of Modbus slave devices or systems from BACnet/IP networks.
- Specially suited for integration of thermostats, electricity meters, chillers, heating floors, PLCs... into BACnet/IP control systems (BMS, SCADA, PLCs...).
- Connects directly to the BACnet/IP network in one side, and in the other side it communicates to the system or device to integrate via Modbus RTU. Supports Modbus RTU protocol over RS232 or RS485, software configurable. IntesisBox is a Modbus RTU master device.
- Bi-directional monitoring and control of Modbus slave devices. Register addresses, functions and data types fully configurable in the Modbus interface. COV and Polling supported in the BACnet/IP interface. Modbus devices' points available in BACnet through *present\_value* property of AI, AO, AV, DI, DO, DV, MI, MO, MV objects.
- IBOX-BAC-MBRTU-A supports up to 500 points, IBOX-KNX-MBRTU-B supports up to 3000 points, and both allow integration of up to 254 Modbus RTU slave devices.
- IntesisBox BACnet/IP Server series are configured using *LinkBoxBacnet*, a software tool for windows<sup>™</sup> which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxBacnet with no additional cost, making the configuration of IntesisBox for this integration extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_BACnet\\_IP\\_server\\_Modbus\\_RTU\\_master\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_BACnet_IP_server_Modbus_RTU_master_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

# IntesisBox<sup>®</sup> | KNX EIB Modbus server ASCII server | BACnet/IP

BACnet/IP Client gateways designed for integration of BACnet/IP devices or systems into other control systems (KNX, Modbus, AMX, Crestron....)

## Manufacturers

Siemens  
ABB  
Merten  
JUNG  
Berker  
Theben  
AMX  
Crestron  
LiteTouch  
And many others

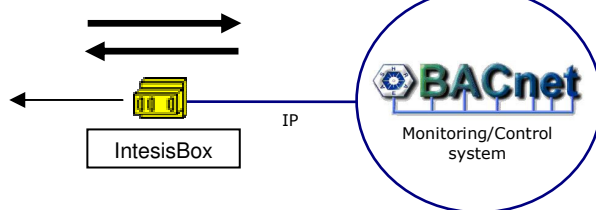
## Protocols

KNX EIB  
Modbus  
ASCII

## Media

RS232  
RS485  
Ethernet  
KNX TP-1 (EIB)

Full monitoring  
and control



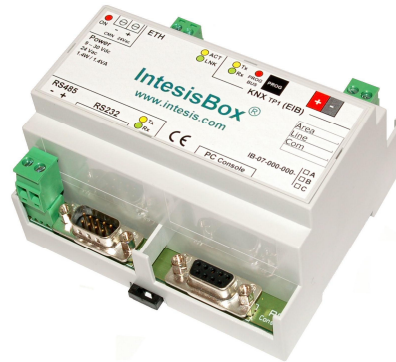
Air conditioners  
BMS  
PLCs

·  
·  
·

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox® KNX - BACnet/IP client

Ref. IBOX-KNX-BAC-A / IBOX-KNX-BAC-B



**Gateway for integration of DAIKIN air conditioners into KNX EIB installations, and in general to integrate any BACnet/IP system or device into KNX EIB.**

- IBOX-KNX-BAC-A and IBOX-KNX-BAC-B have been designed to offer a full integration (monitoring and control) of DAIKIN air conditioners into KNX EIB installations, specially suited for big installations. *The gateway not only allows DAIKIN integration but integration into KNX EIB of any BACnet/IP device or system.*
- Connects directly to the EIB bus in one side, and in the other side it communicates via BACnet/IP to the DAIKIN system. *The BACnet interface DMS502B51 from DAIKIN is required for this integration.*
- Independent monitoring/control (bi-directional) from KNX of every A.C. indoor unit or group of units, of multiple parameters (ambient temperature, set point temperature, operation mode, fan speed...).
- IBOX-KNX-BAC-A supports up to 500 points, IBOX-KNX-BAC-B supports up to 4000 points and up to 4 BACnet/IP devices.
- IntesisBox KNX series are configured using *LinkBoxEIB*, a software tool for windows™ which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxEIB with no additional cost, making the configuration of IntesisBox for integration of many brands of air conditioning (DAIKIN, Mitsubishi Heavy, Toshiba, Fujitsu-General, Samsung, LG...) extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_KNX\\_Bacnet\\_IP\\_Client\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_KNX_Bacnet_IP_Client_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox<sup>®</sup> Modbus Server - BACnet/IP client

Ref. IBOX-MBS-BAC-A / IBOX-MBS-BAC-B



**Gateway for monitor and control DAIKIN air conditioning systems from Modbus (RTU or TCP) master or client devices (SCADA, BMS, PLC, HMI, TouchPanels...), and in general to monitor/control any BACnet/IP system or device from Modbus.**

- IBOX-MBS-BAC-A and IBOX-MBS-BAC-B have been designed to offer a full integration (monitor and control) of DAIKIN air conditioners from Modbus control systems, specially suited for big installations. *The gateway not only allows DAIKIN integration but many other air conditioning brands, and in general integration into Modbus of any BACnet/IP device or system.*
- It connects directly to the Modbus network in one side (RS232, RS485, ETH), and in the other side it communicates via BACnet/IP to the DAIKIN system through the Daikin D-BACS interface. *The Daikin D-BACS BACnet interface (ref. DMS502B51) is required to be installed in the Daikin system for this integration.*
- Independent monitoring/control (bi-directional) from Modbus of each DAIKIN indoor unit or group of units, of multiple parameters (Ambient and Set Point Temperature, Operation Mode, Fan Speed...).
- IBOX-MBS-BAC-A supports up to 500 points and communication to one BACnet/IP device, IBOX-MBS-BAC-B supports up to 3000 points and communication to up to 16 BACnet/IP devices.
- IntesisBox Modbus Server series are configured using *LinkBoxMB*, a software tool for windows<sup>™</sup> which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxMB with no additional cost, making the configuration of IntesisBox for integration of many brands of air conditioning (DAIKIN, Mitsubishi Heavy, Toshiba, Fujitsu-General...) extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_Modbus\\_Server\\_Bacnet\\_IP\\_Client\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_Modbus_Server_Bacnet_IP_Client_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

## IntesisBox<sup>®</sup> ASCII Server - BACnet/IP client

Ref. IBOX-ASCII-BAC-A / IBOX-ASCII-BAC-B



**Gateway for monitor and control DAIKIN air conditioning systems from ASCII enabled control systems (AMX, CRESTRON, LiteTouch, PC...), and in general to monitor/control any BACnet/IP system or device from control systems capable of send and receive simple text messages.**

- IBOX-ASCII-BAC-A and IBOX-ASCII-BAC-B have been designed to offer a full integration (monitor and control) of DAIKIN air conditioners from ASCII enabled control systems, specially suited for big installations. *The gateway not only allows DAIKIN integration but many other air conditioning brands, and in general integration into control systems capable of send and receive simple text messages of any BACnet/IP device or system.*
- It connects directly to the ASCII control system in one side by RS232 serial line, and in the other side it communicates via BACnet/IP to the DAIKIN system through the Daikin D-BACS interface. *The Daikin D-BACS BACnet interface (ref. DMS502B51) is required to be installed in the Daikin system for this integration.*
- Independent monitoring/control (bi-directional) from the ASCII controller of each DAIKIN indoor unit or group of units, of multiple parameters (Ambient and Set Point Temperature, Operation Mode, Fan Speed...).
- IBOX-ASCII-BAC-A supports up to 500 points and communication to one BACnet/IP device, IBOX-ASCII-BAC-B supports up to 7000 points and communication to up to 16 BACnet/IP devices.
- IBOX-ASCII-BAC-A and IBOX-ASCII-BAC-B are configured using *LinkBoxBacnet*, a software tool for windows<sup>™</sup> which is supplied along with the purchase of IntesisBox with no additional cost. *Demo configuration files are also supplied for LinkBoxBacnet with no additional cost, making the configuration of IntesisBox for integration of many brands of air conditioning (DAIKIN, Mitsubishi Heavy, Toshiba, Fujitsu-General...) extremely easy and quick, almost plug & play.*

Datasheet with full technical details, examples of use, connection and more, available at [http://www.intesis.com/pdf/IntesisBox\\_ASCII\\_Server\\_Bacnet\\_IP\\_Client\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_ASCII_Server_Bacnet_IP_Client_datasheet_eng.pdf)

TRADEMARKS: All trademarks and trade names used in this document are acknowledged to be the copyright of their respective holders

For further details visit our website <http://www.intesis.com>

or contact your nearest

**IntesisBox<sup>®</sup>**

**Authorised**

**Dealer**



**INTESIS**  
**SOFTWARE, SL**

URL | <http://www.intesis.com>  
email | [info@intesis.com](mailto:info@intesis.com)  
tel | +34 938047134

*INTESIS SOFTWARE provides innovative solutions for home and building automation in more than 40 countries around the world*



*INTESIS SOFTWARE is member of the KNX Association*