

IntesisBox®

Making Building Automation go further



Overview of products

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

- IntesisBox[®] BACnet/IP Server - KNX**
- IntesisBox[®] BACnet/IP Server - M-Bus (EN 13757-3)**
- IntesisBox[®] BACnet/IP server - Modbus RTU master**
- IntesisBox[®] BACnet/IP server - Modbus TCP master**

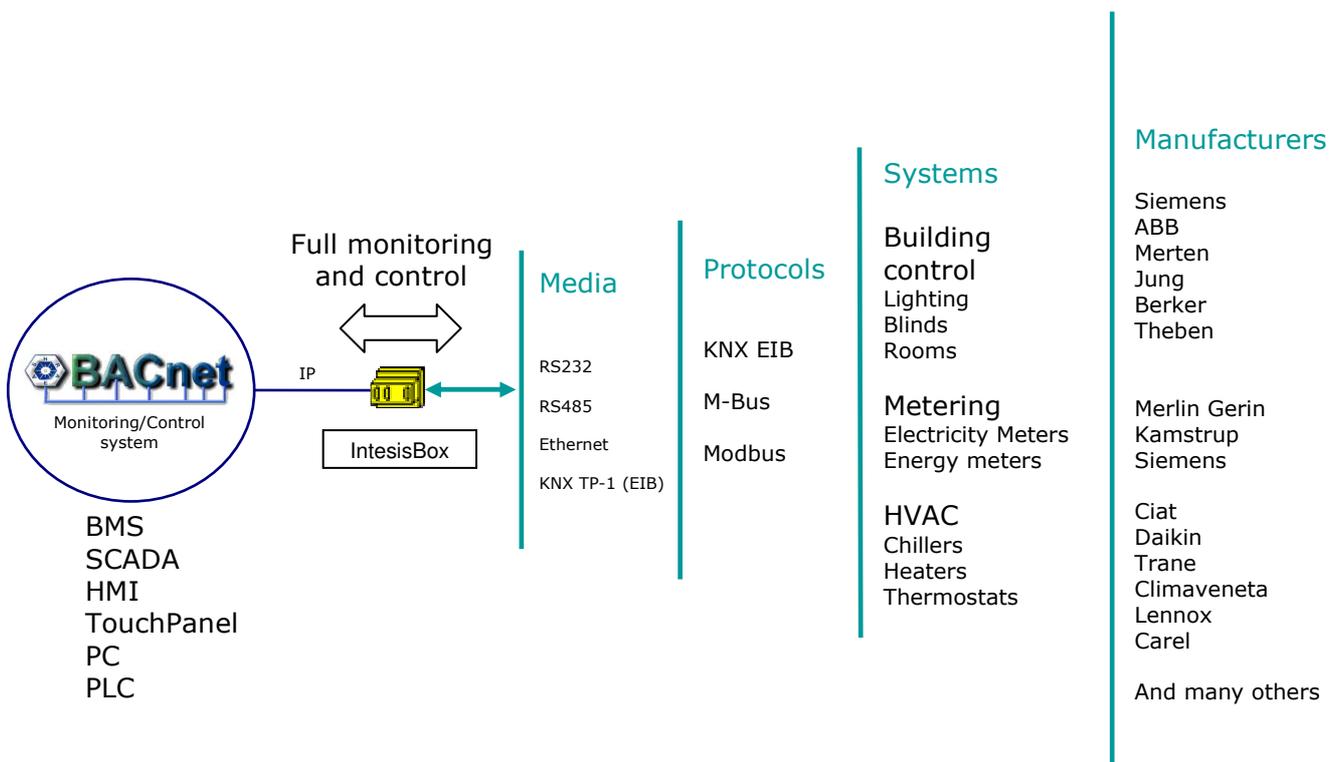
BACnet/IP Client gateways designed for integration of BACnet/IP devices into other control systems (KNX, Modbus, AMX, Crestron....)

- IntesisBox[®] KNX - BACnet/IP client**
- IntesisBox[®] Modbus Server - BACnet/IP client**
- IntesisBox[®] ASCII Server - BACnet/IP client**



IntesisBox[®] BACnet/IP Server series

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



IntesisBox® BACnet/IP Server - KNX

Order Code: 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...)

- This gateway has 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 with 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 allows integration of up to 500 points, and IBOX-BAC-KNX-B 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.*



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IntesisBox[®] BACnet/IP Server - M-Bus (EN 13757-3)

Order Code: **IBOX-BAC-MBUS-A / IBOX-BAC-MBUS-B**



NEW

Cost effective version with
capacity of 100 points

Order code

IBOX-BAC-MBUS-100

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

- This gateway has 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 with 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-100 allows monitoring of up to 10 M-Bus meters and a maximum of 100 internal data points, 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[™] 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.*



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IntesisBox® BACnet/IP server - Modbus RTU master

Order Code: **IBOX-BAC-MBRTU-A** / **IBOX-BAC-MBRTU-B**



NEW

Cost effective version with
capacity of 100 points

Order code
IBOX-BAC-MRTU-100

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

- This gateway has been designed to offer full monitoring/control of Modbus slave devices 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 with the device to integrate via Modbus RTU. Supports Modbus RTU protocol over RS232 or RS485, software selectable. 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-100 supports up to 100 points, IBOX-BAC-MBRTU-A up to 500 points, and IBOX-KNX-MBRTU-B up to 3000 points. All of them allow integration of up to 254 Modbus RTU slave devices.
- 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.*



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IntesisBox[®] BACnet/IP server - Modbus TCP master

Order Code: IBOX-BAC-MBTCP-A / IBOX-BAC-MBTCP-B



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

- This gateway has been designed to offer full monitoring/control of Modbus TCP slave devices from BACnet/IP networks.
- Specially suited for integration of thermostats, electricity meters, chillers, heating floors, heat pumps, 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 with the device to integrate via Modbus TCP. IntesisBox is a Modbus TCP master (client) 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-MBTCP-A allows integration of up to 500 points, and IBOX-KNX-MBTCP-B 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.*



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IntesisBox[®] | KNX EIB | Modbus server | ASCII server | BACnet/IP

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

Manufacturers

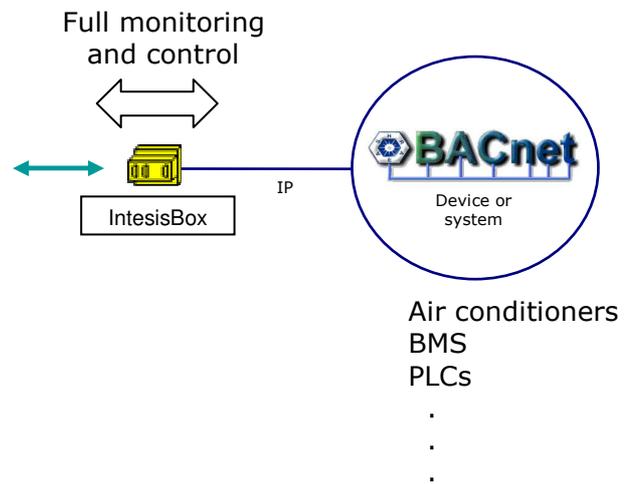
Siemens
 ABB
 Merten
 JUNG
 Berker
 Theben
 AMX
 Crestron
 LiteTouch
 And many others

Protocols

KNX EIB
 Modbus
 ASCII

Media

RS232
 RS485
 Ethernet
 KNX TP-1 (EIB)



IntesisBox® KNX - BACnet/IP client

Order Code: IBOX-KNX-BAC-A / IBOX-KNX-BAC-B



Gateway for monitor and control BACnet/IP devices from KNX EIB control systems.

- IBOX-KNX-BAC-A and IBOX-KNX-BAC-B have been designed to offer a full integration (monitoring and control) of BACnet/IP devices from KNX control systems.
- Connects directly to the EIB bus in one side, and to ethernet in the other side communicating in BACnet/IP protocol.
- Read and write (bi-directional) of BACnet objects from KNX by means of group addresses.
- Widely used to integrate VRV air conditioning of the main manufacturers, providing BACnet interface, into KNX control systems.
- IBOX-KNX-BAC-A allows integration of up to 500 points of one single BACnet/IP device, IBOX-KNX-BAC-B up to 4000 points of up to 16 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.*



IntesisBox[®] Modbus Server - BACnet/IP client

Order Code: IBOX-MBS-BAC-A / IBOX-MBS-BAC-B



Gateway for monitor and control BACnet/IP devices from Modbus (RTU or TCP) master or client devices (SCADA, BMS, PLC, HMI, TouchPanels...).

- IBOX-MBS-BAC-A and IBOX-MBS-BAC-B have been designed to offer a full integration (monitor and control) of BACnet/IP devices from Modbus control systems.
- It connects directly to the Modbus network in one side (RS232, RS485, ETH), and to ethernet in the other side communicating in BACnet/IP protocol.
- Widely used to integrate VRV air conditioning of the main manufacturers, providing BACnet/IP interface, into Modbus control systems (SCADA, BMS, PLC, HMI, TouchPanels...).
- Read and write (bi-directional) of BACnet objects from Modbus by means of modbus standard register types.
- IBOX-MBS-BAC-A allows integration of up to 500 points of one single BACnet/IP device, IBOX-MBS-BAC-B up to 4000 points of up to 16 BACnet/IP devices.
- IntesisBox Modbus Server series are configured using *LinkBoxMB*, 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 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.*



IntesisBox® ASCII Server - BACnet/IP client

Order Code: IBOX-ASCII-BAC-A / IBOX-ASCII-BAC-B



Gateway for monitor and control BACnet/IP devices from programmable control systems (AMX, CRESTRON, LiteTouch, PC...)

- This gateway has been designed to offer a full integration (monitor and control) of BACnet/IP devices by means of sending and receiving simple text messages from a programmable control system like AMX, Crestron, PC, etc.
- It connects directly to the programmable control system in one side through RS232 serial line, and in the other side it communicates via BACnet/IP to the device to integrate.
- Widely used to integrate VRV air conditioning of the main manufacturers, providing BACnet/IP interface, into programmable control systems able to read/write simple text messages (ASCII characters) through RS232 serial line.
- Read and write (bi-directional) of BACnet objects from Modbus by means of very simple text messages.
- IBOX-ASCII-BAC-A allows integration of up to 500 points of one single BACnet/IP device, IBOX-ASCII-BAC-B up to 4000 points of up to 16 BACnet/IP devices.
- IBOX-ASCII-BAC-A and IBOX-ASCII-BAC-B 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 integration of many brands of air conditioning (DAIKIN, Mitsubishi Heavy, Toshiba, Fujitsu-General...) extremely easy and quick, almost plug & play.*



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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