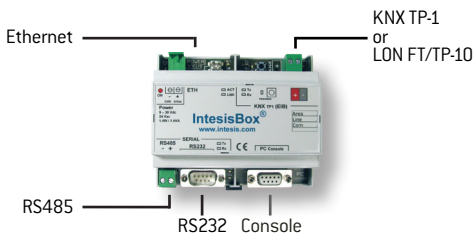


IntesisBox® MODBUS Server Series Gateways

IntesisBox MODBUS Server Series gateways have been specifically designed to integrate third party systems into Modbus based Building Management Systems, quickly and efficiently.



IntesisBox®

- Robust and reliable hardware
- Direct connection to field bus
- Independent management of communication
- Zero maintenance
- Power supply from 9 to 24Vdc or 24Vac
- 6-module DIN rail stand box

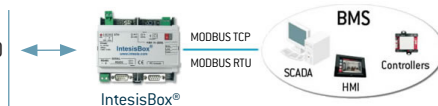
Modbus Server (Slave)
TCP or RTU (RS485/RS232)
selectable by software

Integration of multiple building's equipment into Modbus based Building Management Systems

- Lighting**
 - KNX
 - LonWorks®
- HVAC**
 - KNX
 - LonWorks®
 - BACnet
 - XML
- Metering**
 - M-Bus
 - LonWorks®
- Fire**
 - Notifier
 - Esser
 - Siemens
 - Honeywell
 - Ziton
 - Kilsen
 - Ademco
- Intrusion**
 - Ademco
- Hotel Management**
 - Fidelio

IntesisBox® provides a fully bidirectional integration (supervision and control) of equipment and systems communicating in open protocols like KNX, BACnet, LonWorks®, M-Bus, into Modbus based Building Management Systems. Ideal for integration of centralized Air Conditioning systems incorporating BACnet or LonWorks® interface, as for example: Daikin, Mitsubishi Heavy, Sanyo, General, Fujitsu, etc. Integrate also in your BMS: meters, chillers, KNX based lighting control, etc. Almost any building's equipment, if not directly in Modbus, it can communicate in KNX, BACnet, LonWorks® or M-Bus, and now with IntesisBox® you can integrate it into your Modbus based BMS.

- BACnet / IP
- KNX
- LonWorks®
- M-Bus
- Custom
- Ethernet
- KNX TP-1
- LON FT/TP-10
- RS232
- RS485



- IBOX-MBS-KNX
- IBOX-MBS-BAC
- IBOX-MBS-LON
- IBOX-MBS-MBUS

For integration of KNX/EIB equipment
For integration of BACnet equipment
For integration of LonWorks® equipment
For integration of M-Bus meters

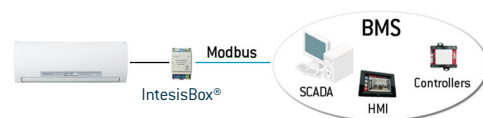
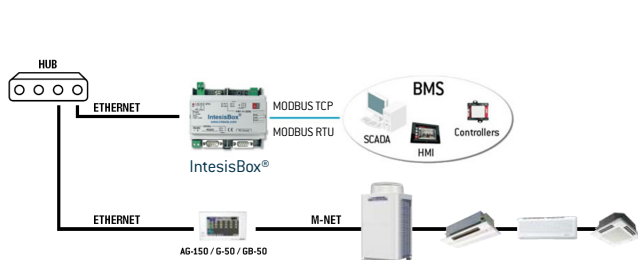
- NOTIFIER ID3000 Series
- NOTIFIER ID2net
- HONEYWELL XLS80
- ESSER IQ8 Series
- SIEMENS Cerberus
- SIEMENS FC330A

- ZITON ZP3
- KILSEN KSA 7xx
- ADEMCO Algorinet
- ADEMCO Galaxy
- MICROS Fidelio

Modbus gateways for integration of custom-protocol equipment like Fire Panels, Intrusion Detection Systems, Hotel Management Systems...

Integration of Air Conditioning systems into Modbus based Building Management Systems

IntesisBox® Modbus Server series gateways and interfaces for Air Conditioning systems have been designed in close cooperation with the Air Conditioning manufacturers to offer full monitoring and control of the Air Conditioners from Modbus, either through small interfaces connected directly to each AC indoor unit, or through gateways connected to centralized AC system controllers.



IntesisBox® model

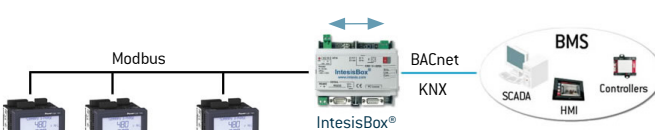
- ME-AC-MBS-1
- ME-AC-MBS-1-2110
- ME-AC-MBS-50/100
- DK-RC-MBS-1
- SM-AC-MBS-32/64/128

Brand (Line) of Air Conditioners

- Mitsubishi Electric (Domestic & Mr.Slim)
- Mitsubishi Electric (Domestic & Mr.Slim) - 2D/1D0
- Mitsubishi Electric (City Multi - G50, GB50 & AG150)
- DAIKIN (SKY & VRV)
- Samsung (DVM)

Integration of Modbus devices into other Building Management Systems

IntesisBox® provides a fully bidirectional integration of Modbus devices into other Building Management Systems.



IntesisBox® model

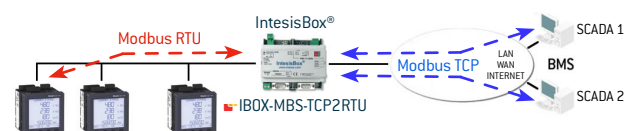
- IBOX-KNX-MBRTU / TCP
- IBOX-BAC-MBRTU

Typical application

- Integration of Modbus RTU/TCP devices into KNX BMS
- Integration of Modbus RTU devices into BACnet BMS

Modbus TCP to RTU converter for Remote Access to Modbus RTU devices through LAN, WAN or Internet using Modbus TCP

Transparent operation, telegrams from TCP are passed to RTU and vice versa, no need of points mapping, just communication parameters for RTU side and for TCP side need to be configured. Allows various TCP masters accessing at the same time.

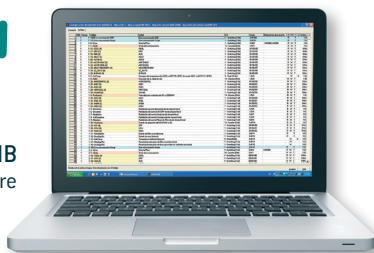


LinkBoxMB configuration software for IntesisBox® MODBUS Server Series

Easy to use tool for the configuration of IntesisBox, in a fast and effective way. It offers the maximum integration possibilities with a minimal knowledge required on the system to be integrated.



LinkBoxMB
Configuration software



- Only needed during configuration
- One single tool for the configuration of the whole range of IntesisBox Modbus Server Series gateways
- Supplied with IntesisBox with no additional cost
- Configuration templates for a simple integration of main VRV-type AC brands in the market (DAIKIN, Mitsubishi Electric, Toshiba, Samsung, General...)
- Configuration examples for all systems that can be integrated
- Mapping table editable using Excel, allowing a simple and fast association of Modbus registers and the external systems datapoints.
- Includes powerful and useful features for configuration, setup and troubleshooting

Intesis

software 

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Intesis Software is member of the KNX Association, KNX Spain and EnOcean Alliance

