

INTESISBOX GATEWAYS

EASY-TO-USE & RELIABLE SOLUTIONS
FOR SYSTEM INTEGRATION AND CONTROL OF SMART BUILDINGS



IntesisBox[®] 
PORTFOLIO2018

IntesisBox®

CONFIGURATION TOOL

- ETS
- IntesisBox Maps
- LinkBox
- Web Server

EXTERNAL POWER

- External Power not required
- 12 Vdc
- 5 Vdc
- 230 Vac
- 9 to 24 Vdc or 24 Vac
- 18 to 36 Vdc

CAPACITY

- 1 Indoor unit
- Up to 32 Devices
- Direct connection up to 120 M-Bus devices
- Up to 64 Units
- Up to 2000 Control points
- Multiple indoor units
- Up to 64 Devices
- Up to 128 Devices
- Up to 100 Units
- Up to 3000 Control points
- Up to 32 Channels
- Up to 100 Devices
- Up to 32 Units
- Up to 128 Units
- Up to 4000 Control points

SIZE

- Can be installed inside or close to the I.U.
- To be installed inside an electrical cabin

INPUTS

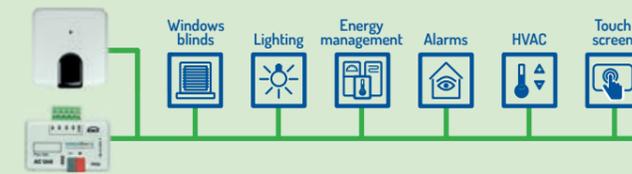
- Binary inputs

COMMUNICATION

- Indoor unit
- Infrared
- Outdoor unit
- Manufacturer gateway
- Remote controller

KNX

- AIR CONDITIONER UNIVERSAL**
 - More than 50 A.C brands
- SPECIFIC**
 - Mitsubishi Electric
 - Daikin
 - Panasonic
 - LG
 - Midea
 - Mitsubishi Heavy Industries
 - Hitachi
 - Samsung
 - Fujitsu
 - Toshiba
 - Haier
 - Hisense

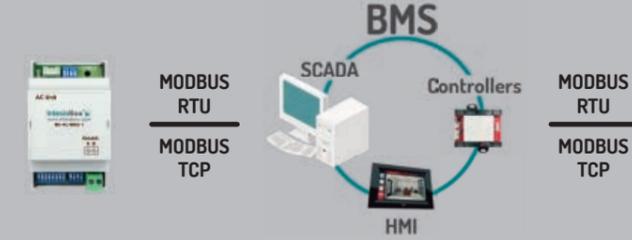


OTHER PROTOCOLS

- BACnet
- Modbus
- LonWorks
- EnOcean

MODBUS

- AIR CONDITIONER**
 - Mitsubishi Electric
 - Daikin
 - Panasonic
 - LG
 - Samsung
 - Mitsubishi Heavy Industries
 - Fujitsu
 - Toshiba
 - Hisense
 - Hitachi
 - Midea

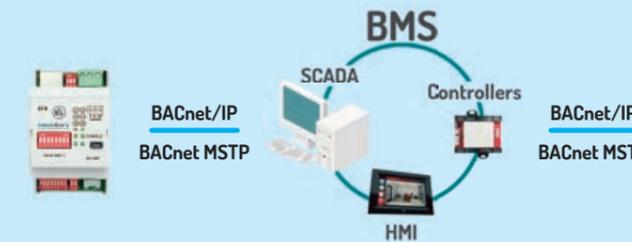


OTHER PROTOCOLS

- KNX
- BACnet
- LonWorks
- MBUS
- DALI
- Fidelio
- Fire panels
- Intrusion panels

BACNET

- AIR CONDITIONER**
 - Mitsubishi Electric
 - Daikin
 - Panasonic
 - Toshiba
 - Mitsubishi Heavy Industries
 - Samsung
 - Hitachi
 - Hisense

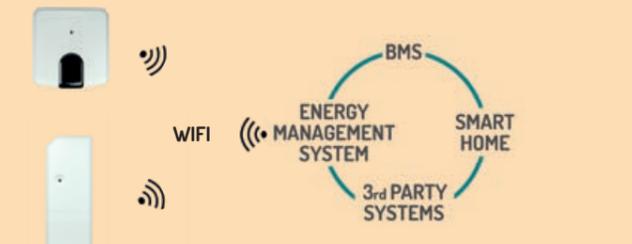


OTHER PROTOCOLS

- KNX
- Modbus
- LonWorks
- MBUS
- DALI
- Fidelio
- Notifier ID3000

WIFI

- AIR CONDITIONER UNIVERSAL**
 - More than 50 A.C brands
- SPECIFIC**
 - Mitsubishi Electric
 - Daikin
 - Panasonic
 - Mitsubishi Heavy Industries
 - LG
 - Fujitsu
 - Toshiba



ENOCEAN

- AIR CONDITIONER**
 - Mitsubishi Electric
 - Daikin
 - Panasonic
 - Mitsubishi Heavy Industries

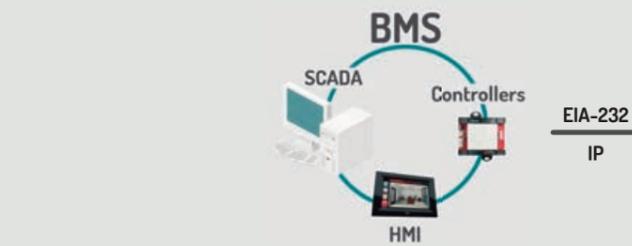


OTHER PROTOCOLS

- KNX
- ASCII

ASCII

- AIR CONDITIONER**
 - Mitsubishi Electric

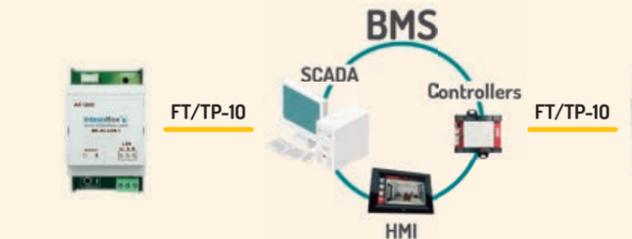


OTHER PROTOCOLS

- KNX
- BACnet
- LonWorks

Lon

- AIR CONDITIONER**
 - Mitsubishi Electric



OTHER PROTOCOLS

- KNX

IntesisBox[®] FOR:



IntesisBox KNX gateways for Air Conditioners

For the last decade, IntesisBox gateways have been the reference for Air Conditioning systems integration into KNX projects. IntesisBox gateways offer specific solutions for the most popular AC brands and also a universal solution based on Infrared communication (IS-IR-KNX-ii).

Easy to integrate through ETS. IntesisBox Gateways offer all the necessary DPTs to work with any KNX thermostat or KNX touch panel. In addition, IntesisBox gateways also offer extra functionalities, such as: KNX scenes, binary inputs, additional heating/cooling, window contact, presence function and many more, which will help KNX integrators to create the best KNX projects for their customers.

UNIVERSAL		MITSUBISHI ELECTRIC		MITSUBISHI HEAVY INDUSTRIES, LTD.	
IS-IR-KNX-ii FOR: RAC,PAC,VRF	ME-AC-KNX-1-V2 FOR: RAC,PAC,VRF	ME-AC-KNX-ii FOR: RAC,PAC,VRF	ME-AC-KNX-15/100 FOR: RAC,PAC,VRF	MH-RC-KNX-ii FOR: RAC,PAC,VRF	MH-AC-KNX-48/128 FOR: VRF
DAIKIN		SAMSUNG		Midea	
DK-AC-KNX-1 FOR: RAC	DK-AC-KNX-ii FOR: RAC	DK-RC-KNX-1 FOR: PAC,VRF	DK-RC-KNX-ii FOR: PAC,VRF	LG-RC-KNX-ii FOR: PAC,VRF	LG-AC-KNX-4/8/16/64 FOR: RAC,PAC,VRF
TOSHIBA		SAMSUNG		FUJITSU	
TO-RC-KNX-ii FOR: PAC,VRF	TO-AC-KNX-16/64 FOR: VRF	SM-ACN-KNX-4/8/16/64 FOR: PAC,VRF	MD-AC-KNX-1B/16/64 FOR: PAC,VRF	FJ-RC-KNX-ii FOR: RAC,PAC,VRF	AK-AC-KNX-4/8/16/64 FOR: RAC,PAC,VRF
Panasonic		Haier		Haier	
PA-AC-KNX-ii FOR: RAC	PA-RC-KNX-ii FOR: PAC,VRF	PA-RC2-KNX-ii FOR: PAC,VRF	PA-AC-KNX-64/128 FOR: PAC,VRF	PA-AW2-KNX-1 FOR: A2W	HA-AC-KNX-8/16/64 FOR: VRF

IntesisBox[®] FOR:



HITACHI

HI-AC-KNX-16/64 FOR: VRF	HI-RC-KNX-ii FOR: PAC, VRF	HI-AW-KNX-1 FOR: A2W

Hisense

HS-AC-KNX-16/64 FOR: VRF	HS-RC-KNX-ii FOR: PAC, VRF	HS-AW-KNX-1 FOR: A2W

IntesisBox KNX gateways for multi-protocol integration

IntesisBox multi-protocol gateways have been designed to help integrators add non-KNX devices into their projects in a fast and easy way. Thanks to its intuitive and flexible configuration tool, IntesisBox KNX gateway series can integrate Modbus, LonWorks, BACnet or EnOcean devices into a KNX project in almost no time.

BACnet	Modbus	LonWorks	enocean alliance	M-Bus
IBOX-KNX-BAC FOR: BACnet IP & MSTP	IBOX-KNX-MBM FOR: Modbus RTU & TCP	IBOX-KNX-LON FOR: LON	IBOX-KNX-ENO-AI/C FOR: EnOcean	IBOX-KNX-MBUS FOR: M-BUS
With built-in level converter up to 120 M-Bus devices				
DALI				
IBOX-KNX-DALI FOR: 1 DALI bus				

KNX

KNX



IntesisBox Modbus slave gateways for Air Conditioners

IntesisBox Modbus gateways for Air Conditioners offer one of the largest range of gateways in the market for AC system integrations. IntesisBox Modbus register map, common to all gateways, helps improving the integration time no matter the AC brand to be used in each project. Installers can create general templates to be used on the different SCADA, BMS or EMS solutions just once and use them in all projects they have and for many different AC brands such as Daikin, Fujitsu, Mitsubishi Electric, Panasonic and Toshiba among others.

<p>ME-AC-MBS-1/ME-AC-MBS-1-2110 FOR: RAC,PAC,VRF</p>	<p>ME-AC-MBS-50/100 FOR: RAC,PAC,VRF</p>	<p>MH-RC-MBS-1 FOR: RAC,PAC,VRF</p>	<p>MH-AC-MBS-48/128 FOR: PAC,VRF</p>	<p>DK-AC-MBS-1 FOR: RAC</p>	<p>DK-RC-MBS-1 FOR: PAC,VRF</p>		
<p>PA-AC-MBS-1 FOR: RAC</p>	<p>PA-RC2-MBS-1 FOR: PAC,VRF</p>	<p>PA-AW2-MBS-1 FOR: A2W</p>	<p>PA-AC-MBS-64/128 FOR: PAC,VRF</p>	<p>FJ-RC-MBS-1 FOR: PAC,RAC,VRF</p>	<p>MD-AC-MBS-1/4/8/32 FOR: PAC,VRF</p>		
<p>LG-RC-MBS-1 FOR: PAC,VRF</p>	<p>LG-AC-MBS-4/8/32/64 FOR: RAC,PAC,VRF</p>	<p>SM-RC-MBS-1 FOR: PAC,VRF</p>	<p>SM-RC2-MBS-1 FOR: PAC,VRF</p>	<p>SM-ACN-MBS-4/8/32/64 FOR: PAC,VRF</p>	<p>TO-RC-MBS-1 FOR: PAC,VRF</p>		
<p>HI-AC-MBS-16/64 FOR: VRF</p>	<p>HI-RC-MBS-1 FOR: PAC,VRF</p>	<p>HS-AC-MBS-16/64 FOR: VRF</p>	<p>HS-RC-MBS-1 FOR: PAC,VRF</p>				



IntesisBox Modbus slave gateways for multi-protocol integration

IntesisBox Modbus gateway series offer solutions to include not only standard protocols such as BACnet, KNX or LonWorks, but also specific solutions for DALI ballasts, Fidelio hotel management interfaces, M-BUS meters, solar systems, fire panels and security panels. Integration can be easily done thanks to its intuitive and flexible configuration software.

<p>IBOX-MBS-BAC FOR: BACnet IP & MSTP</p>	<p>IBOX-MBS-KNX FOR: KNX</p>	<p>IBOX-MBS-TCP2RTU FOR: Modbus RTU</p>	<p>IBOX-MBS-LON FOR: LON</p>	<p>IBOX-MBS-MBUS FOR: M-BUS</p>
<p>IBOX-MBS-DALI FOR: 1 DALI or 2 DALI* bus</p>	<p>IBOX-MBS-FID-A/B FOR: FIDELIO</p>			

With built-in level converter up to 120 M-Bus devices

SOLAR PANELS

IBOX-MBS-ATERSA	ATERSA	Up to 99 devices
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FIRE PANELS

IBOX-MBS-CERBERUS	SIEMENS	Cerberus CS11 and CS10 with ID0 1745 protocol
IBOX-MBS-FC330A	SIEMENS	Synova® FC300A
IBOX-MBS-ALGOREX	SIEMENS	Algorex
IBOX-MBS-ALGORI	ADEMCO	Algorinet BC216
IBOX-MBS-KILSEN	KILSEN	KSA 7XX
IBOX-MBS-NID3000	NOTIFIER	ID3000, ID3002

SECURITY PANELS

IBOX-MBS-GALAXY	HONEYWELL	Galaxy
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*2 DALI bus version only supports Modbus TCP.

IntesisBox BACnet server gateways for Air Conditioners

IntesisBox offers a large range of BACnet gateways to integrate single direct expansion AC units for the most popular AC brands. IntesisBox BAC-1 gateways are IP or MSTP and offer all the necessary BACnet objects to integrate the AC units in our project, including not only ON/OFF, Mode, Set Point, Room Temp. or Fan Speed, but Error signal, Error codes, LockRemote and OnTimeCounter too.

					
					
ME-AC-BAC-1 FOR: RAC,PAC,VRF	MH-RC-BAC-1 FOR: RAC,PAC,VRF	TO-RC-BAC-1 FOR: PAC,VRF	PA-AC-BAC-1 FOR: RAC	PA-RC2-BAC-1 FOR: PAC,VRF	PA-AC-BAC-64/128 FOR: PAC,VRF
   	   	   	   	   	   
					
					
DK-AC-BAC-1 FOR: RAC	DK-RC-BAC-1 FOR: PAC,VRF	SM-ACN-BAC-4/8/32/64 FOR: PAC,VRF	HI-AC-BAC-16/64 FOR: VRF	HS-AC-BAC-16/64 FOR: VRF	
   	   	   	   	   	

IntesisBox BACnet server gateways for multi-protocol integration

IntesisBox BACnet gateways offer an easy and fast integration of non-BACnet devices and systems into BACnet projects. Apart from the standard protocols, such as KNX, LonWorks or Modbus, IntesisBox BACnet gateways also offer support for M-Bus meters, DALI ballasts, Fidelio hotel management interfaces, Sunways solar systems and Notifier fire panels. Thanks to this wide range of solutions and its flexible and intuitive configuration tool, IntesisBox BACnet gateways have been one of the most appreciated solutions in the market by many integrators.

				
				
IBOX-BAC-KNX FOR: KNX	IBOX-BAC-MBM FOR: Modbus RTU & TCP	IBOX-BAC-LON FOR: LON	IBOX-BAC-MBUS FOR: M-BUS	IBOX-BAC-DALI FOR: 1 DALI or 2 DALI* bus
  	  	  	  	  
				
				
IBOX-BAC-FID-A/B FOR: FIDELIO	IBOX-BAC-NID3000 FOR: ID3000	IBOX-BAC-SUNWAYS FOR: SUWAYS		
  	 	  		

With built-in level converter up to 120 M-Bus devices



IntesisBox BAC-1 series ensure full interoperability by the BTL Mark.

NOTE: PA-AC-BAC-64/128 is not currently BTL listed.

*2 DALI bus version only supports BACnet IP.

IntesisBox[®] FOR:



IntesisBox EnOcean gateways

IntesisBox EnOcean gateways offer specific devices to integrate the most important AC brands with EnOcean self-powered wireless sensors (Thermostats, window contact, presence sensors, etc) allowing integrators to design easy and powerful energy saving projects for offices, hotels, shops, etc. On the other hand, IntesisBox also offers ASCII to EnOcean gateways to allow the integration of EnOcean devices into any system.

ME-AC-ENO-1-1/C FOR: RAC,PAC,VRF	DK-AC-ENO-1/1C FOR: RAC	DK-RC-ENO-li/i1C FOR: PAC,VRF	PA-AC-ENO-li/i1C FOR: RAC	MH-RC-ENO-li/i1C FOR: PAC,VRF
USB-ENO/C FOR: USB	USB-ENO-ASCII/C FOR: USB	USB-ENO-ASCII-U/C FOR: USB		

IntesisBox[®] FOR:

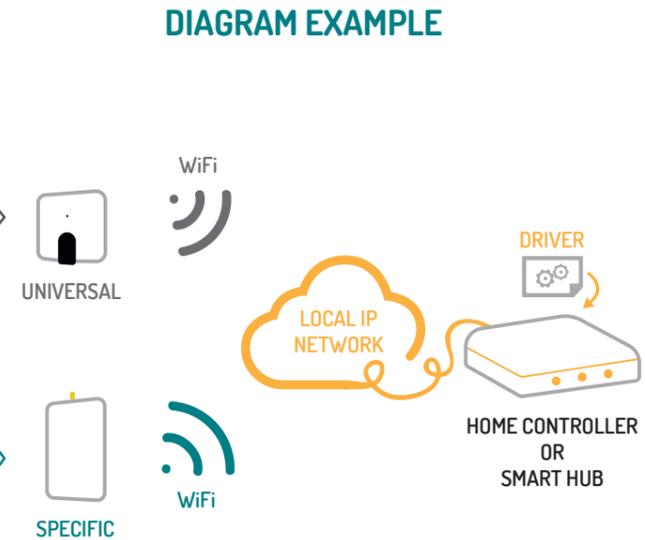
IntesisBox WiFi gateways for Air Conditioners

The new range of IntesisBox WiFi gateways allows an easy Air Conditioner integration in any kind of control and monitoring system, using a simple IP Protocol. The new WiFi gateways family has been specifically designed for Home Automation Manufacturers or Integrators interested in offering a control solution for the Air Conditioner System, just creating a simple Driver in their Home Controllers or Smart Hubs.

WIFI GATEWAYS TYPES

Universal WiFi device offers compatibility with thousands of models of Air Conditioners, it only requires an Indoor Unit that has an IR receiver working with a standard Wireless Remote Controller.

Specific WiFi devices use the proprietary communication protocol of each AC Manufacturer allowing real bidirectional communication with the AC system, offering also advanced parameters like error signals, error codes, power consumption, etc.



INTEGRATE WITH...



And many more...

IntesisBox ASCII gateways for multi-protocol integration

IntesisBox ASCII gateway series offer solutions to integrate BACnet, KNX and LonWorks devices, through RS232 or TCP/IP connections, into any ASCII command based management system.

IBOX-ASCII-BAC FOR: BACnet IP	IBOX-ASCII-KNX FOR: KNX	IBOX-ASCII-LON FOR: LON
ME-AC-LON-1 FOR: RAC,PAC,VRF	IBOX-LON-KNX FOR: KNX	



IS-OPC-NID3K
FOR: Notifier ID3000

IS-IR-WMP-1 FOR: RAC,PAC,VRF	ME-AC-WMP-1 FOR: RAC,PAC,VRF	MH-AC-WMP-1 FOR: RAC	MH-RC-WMP-1 FOR: PAC,VRF
DK-AC-WMP-1 FOR: RAC	DK-RC-WMP-1 FOR: RAC,PAC,VRF		
FJ-RC-WMP-1 FOR: PAC,VRF	PA-AC-WMP-1 FOR: RAC	PA-RC2-WMP-1 FOR: PAC,VRF	LG-RC-WMP-1 FOR: PAC,VRF
TO-RC-WMP-1 FOR: PAC,VRF			

ENOCEAN

ASCII

LON

WIFI

OPC

IntesisBox®

Made by:

Intesis 
Member of the HMS group



www.intesisbox.com



IntesisBox 

Authorized Dealer



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