

## Universal IR Air Conditioner to BACnet MS/TP Interface

Item number: IN485UNI001I100

The Universal InfraRed (IR)-BACnet MS/TP device allows complete and natural integration of any air conditioner unit equipped with an infrared receiver into BACnet MS/TP networks. The device enables BACnet communication via polling or subscription requests (COV), making the indoor unit available through independent BACnet objects.



*Universal IR to BACnet MS/TP - 1 indoor unit*

### Features and benefits

- ✓ **BACnet MS/TP and Modbus RTU supported**  
The interface supports both BACnet MS/TP and Modbus RTU protocols.
- ✓ **Built-in room temperature and humidity sensors**  
A room temperature sensor and a humidity sensor are built into the interface.
- ✓ **AC unit control by remote and BACnet MS/TP**  
The AC unit can simultaneously be controlled via BACnet MS/TP and its own remote controller.
- ✓ **Configuration tool and interface automatic updates**  
Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates.
- ✓ **AC unit data served as fixed BACnet Objects**  
Air conditioning unit properties and functionalities are abstracted into fixed BACnet Objects.
- ✓ **Automatic IR remote configuration via auto-learn**  
An auto-learn function is available to set the IR remote controller configuration automatically.
- ✓ **Quick and easy configuration using Intesis MAPS**  
Quick configuration of your Universal IR to BACnet MS/TP interfaces in one project via Intesis MAPS.

# Universal IR Air Conditioner to BACnet MS/TP Interface



General	
Net Width (mm)	53
Net Height (mm)	58
Net Depth (mm)	93
Net Weight (g)	52
Packed Width (mm)	151
Packed Height (mm)	98
Packed Depth (mm)	85
Packed Weight (g)	361
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	0
Storage Temperature °C Max	60
Power Consumption (W)	1.25
Input Voltage (V)	5 VDC
Power Connector	USB
Configuration	Intesis MAPS
Capacity	1 Indoor unit.
Installation Conditions	Install the gateway on the wall or place it on a desktop. It is recommended to check the device emplacement using the air conditioner IR remote controller, making sure that you can control the AC unit properly by pointing with the IR remote controller from the selected location.
AC Model Compatibility	Compatible with any air conditioner unit equipped with an infrared receiver.

# Universal IR Air Conditioner to BACnet MS/TP Interface



## General

Content of Delivery	Intesis gateway, power supply, adapter plugs (for EU, UK, USA, and AU), installation guide, extension cord.
Mounting	Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

## Identification and Status

Product ID	IN485UNI001I100_BAC_UNI
Country of Origin	Spain
Export Control Classification Number (ECCN) ERP	8517620000
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	EIA-485, Console port USB.
LED Indicators	Gateway and communication status.
DIP & Rotary Switches	EIA-485 serial port configuration. Gateway settings.
Contains Battery	No

## Certifications and Standards

ETIM Classification	EC001604
CE	Yes
CB	Yes
UKCA	Yes

# Universal IR Air Conditioner to BACnet MS/TP Interface



Certifications and Standards	
UKPSTI	Yes
UL	Yes
BTL	Yes
WEEE Category	IT and telecommunications equipment



## Use Case



Integration example.