# Midea Commercial & VRF systems to BACnet MS/TP Interface

**Item number: INBACMID001I100**

The Midea-BACnet interface allows full bidirectional communication between Midea Commercial and VRF units and BACnet MS/TP networks. The interface enables BACnet communication via polling or subscription requests (COV), making the indoor unit available through independent BACnet objects.




*Midea to BACnet MS/TP - 1 indoor unit*

## Features and benefits

- **BACnet MS/TP support only**
  Only the BACnet MS/TP protocol is supported.
- **AC unit data served as fixed BACnet Objects**
  Air conditioning unit properties and functionalities are abstracted into fixed BACnet Objects.
- **Total unit control and monitoring from BACnet**
  Through internal variables, running hours counter (for maintenance purposes), and error indication.
- **Multiple mounting options**
  Mounting options include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- **Configuration from onboard DIP switches**
  The interface configuration is carried out directly through its onboard DIP switches.
- **Occupancy function to allow energy savings**
  Occupancy function that helps reduce costs, as HVAC systems are one of the main energy consumers.
- **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.

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## General

| | |
|---|---|
| **Net Width (mm)** | 53 |
| **Net Height (mm)** | 58 |
| **Net Depth (mm)** | 93 |
| **Net Weight (g)** | 250 |
| **Packed Width (mm)** | 14 |
| **Packed Height (mm)** | 9 |
| **Packed Depth (mm)** | 10 |
| **Packed Weight (g)** | 320 |
| **Operating Temperature °C Min** | 0 |
| **Operating Temperature °C Max** | 60 |
| **Storage Temperature °C Min** | -20 |
| **Storage Temperature °C Max** | 85 |
| **Power Consumption (W)** | 1.44 |
| **Input Voltage (V)** | 12 VDC |
| **Power Connector** | 2-pole |
| **Configuration** | Dip-switches |
| **Capacity** | 1 Indoor unit. |
| **Installation Conditions** | This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit. |
| **AC Model Compatibility** | Midea Commercial & VRF systems |

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## General

| | |
|---|---|
| **Content of Delivery** | Intesis Gateway, Installation Manual. |
| **Mounting** | DIN rail mount (bracket included), Wall mount |
| **Housing Materials** | Plastic |
| **Warranty (years)** | 3 years |
| **Packaging Material** | Cardboard |

## Identification and Status

| | |
|---|---|
| **Product ID** | INBACMID001I100 |
| **Country of Origin** | Spain |
| **HS Code** | 8517620000 |
| **Export Control Classification Number (ECCN)** | EAR99 |

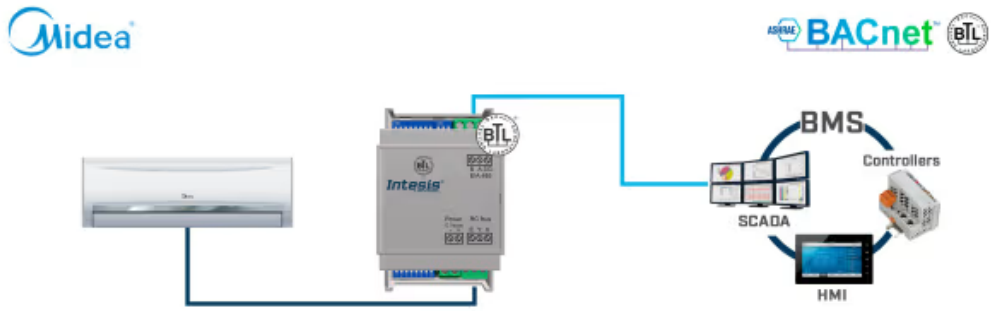
## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | Power supply, EIA-485, HVAC port. |
| **LED Indicators** | Gateway and communication status. |
| **DIP & Rotary Switches** | EIA-485 serial port configuration. Gateway settings. |

## Certifications and Standards

| | |
|---|---|
| **ETIM Classification** | EC001604 |
| **WEEE Category** | IT and telecommunications equipment |

## Use Case




Integration example.