# Mitsubishi Heavy Industries FD and VRF systems to BACnet/IP & MS/TP Interface

**Item number: INBACMHI001R000**

The Mitsubishi Heavy Industries-BACnet interface allows full bidirectional communication between MHI FD and VRF air conditioner units and BACnet/IP or MS/TP systems. It enables BACnet communication via polling or subscription requests (COV), making the indoor unit available via independent BACnet objects. A wired remote controller can also be used.



*Mitsubishi Heavy Industries to BACnet/IP & MS/TP - 1 indoor unit*

## Features and benefits

- **Support for BACnet/IP and BACnet MS/TP**
  BACnet/IP (via Ethernet) or BACnet MS/TP (via EIA-485) connection options are supported.
- **IP settings available via a web interface**
  A configuration tool is available via a web interface with IP settings and more information.
- **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/IP or MS/TP**
  The AC unit can simultaneously be controlled via BACnet/IP or MS/TP and its own remote controller.
- **Configuration from onboard DIP switches**
  The interface configuration is carried out directly through its onboard DIP switches.
- **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.
- **No external power required**
  The interface is powered directly from the AC unit, so no external power supply is required.

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## General

| | |
|---|---|
| **Capacity** | 1 indoor unit |
| **Net Width (mm)** | 53 |
| **Net Height (mm)** | 93 |
| **Net Depth (mm)** | 58 |
| **Net Weight (g)** | 90 |
| **Packed Width (mm)** | 135 |
| **Packed Height (mm)** | 85 |
| **Packed Depth (mm)** | 100 |
| **Packed Weight (g)** | 130 |
| **Operating Temperature °C Min** | 0º |
| **Operating Temperature °C Max** | 60º |
| **Storage Temperature °C Min** | 0 |
| **Storage Temperature °C Max** | 40 |
| **Power Consumption (W)** | 2.1 |
| **Input Voltage (V)** | 14 VDC |
| **Power Connector** | 2-pole |
| **Configuration** | Web Server |
| **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** | Mitsubishi Heavy Industries FD & VRF systems |

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## General

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|---|---|
| **Content of Delivery** | Intesis gateway and installation manual. |
| **Mounting** | DIN rail mount (bracket included), Wall mount |
| **Housing Materials** | Plastic |
| **Warranty (years)** | 1 years |
| **Packaging Material** | Cardboard |

## Identification and Status

| | |
|---|---|
| **Product ID** | INBACMHI001R000 |
| **Country of Origin** | Spain |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |

## Physical Features

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

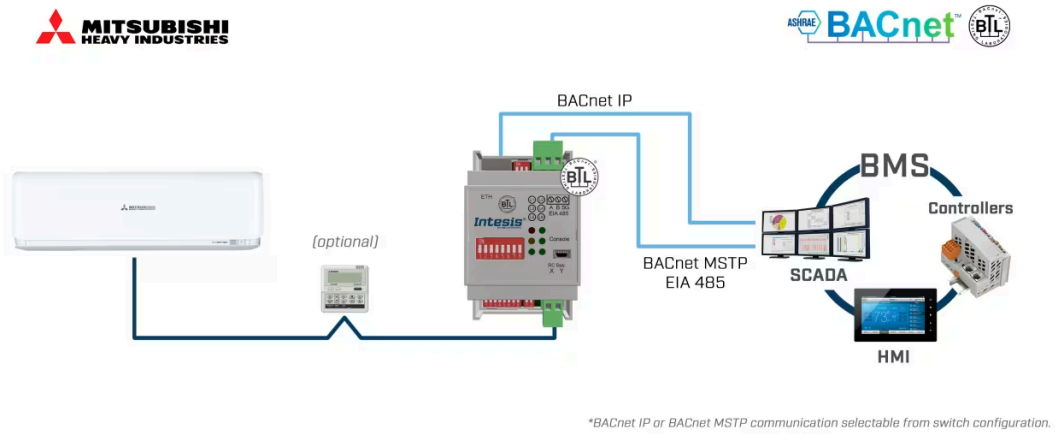
## Certifications and Standards

| | |
|---|---|
| **Product Certifications** | CE, CB, UL, BTL |
| **WEEE Category** | IT and telecommunications equipment |

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## Use Case




Integration example.