# Hitachi VRF systems to BACnet MS/TP interface

**Item number: IN485HIT001R000**

The Hitachi-BACnet interface allows full bidirectional communication between Hitachi 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. A wired remote controller can also be connected.

*Hitachi 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.
- **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.
- **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

| | |
|---|---|
| **Capacity** | 1 indoor unit |
| **Net Width (mm)** | 53 |
| **Net Height (mm)** | 93 |
| **Net Depth (mm)** | 58 |
| **Net Weight (g)** | 95 |
| **Packed Width (mm)** | 135 |
| **Packed Height (mm)** | 85 |
| **Packed Depth (mm)** | 100 |
| **Packed Weight (g)** | 188 |
| **Operating Temperature °C Min** | 0º |
| **Operating Temperature °C Max** | 70º |
| **Storage Temperature °C Min** | 0 |
| **Storage Temperature °C Max** | 70 |
| **Power Consumption (W)** | 1.12 |
| **Input Voltage (V)** | 14 VDC |
| **Power Connector** | 3-pole |
| **Configuration** | Dip-switches |
| **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** | Hitachi Commercial & VRF systems |

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## General

| | |
|---|---|
| **Content of Delivery** | Intesis gateway and 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** | IN485HIT001R000_BAC_HIT |
| **Country of Origin** | Spain |
| **Export Control Classification Number (ECCN) ERP** | 8517620000 |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |

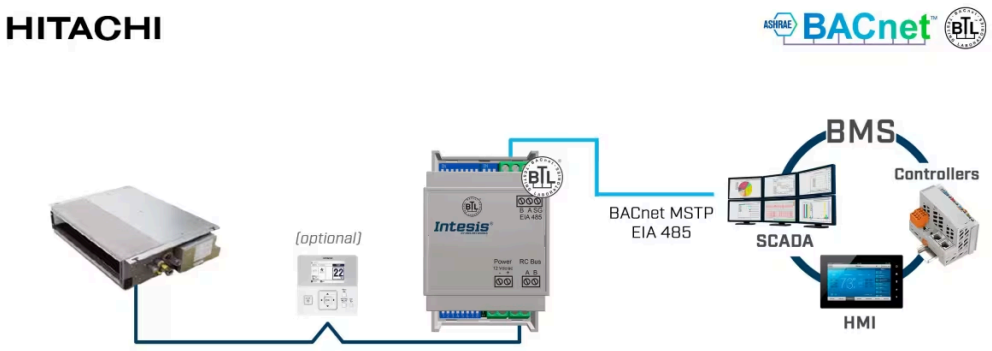
## Physical Features

| | |
|---|---|
| **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. |
| **Contains Battery** | No |

## Certifications and Standards

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

# Use Case




Integration example.