

Mitsubishi Electric Domestic, Mr.Slim and City Multi to BACnet/IP & MS/TP Interface

Item number: INBACMIT001I000

The Mitsubishi Electric-BACnet interface allows full bidirectional communication between Mitsubishi Electric domestic, Mr. Slim, and City Multi air conditioner units and BACnet/IP or MS/TP networks. It enables BACnet communication via polling or subscription requests (COV), making the indoor unit available through independent BACnet objects.



Mitsubishi Electric Domestic 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 | |
|------------------------------|--|
| Net Width (mm) | 53 |
| Net Height (mm) | 58 |
| Net Depth (mm) | 93 |
| Net Weight (g) | 97 |
| Packed Width (mm) | 140 |
| Packed Height (mm) | 86 |
| Packed Depth (mm) | 110 |
| Packed Weight (g) | 235 |
| Operating Temperature °C Min | 0 |
| Operating Temperature °C Max | 40 |
| Storage Temperature °C Min | 0 |
| Storage Temperature °C Max | 40 |
| Power Consumption (W) | 0.72 |
| Input Voltage (V) | 12 VDC |
| Power Connector | Other |
| Configuration | Web Server |
| 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 | Mitsubishi Electric Air Conditioning |

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General

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

Identification and Status

| | |
|---|-----------------|
| Product ID | INBACMIT001I000 |
| Country of Origin | Spain |
| HS Code | 8517620000 |
| Dual Usage | No |
| Export Control Classification Number (ECCN) | EAR99 |

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

| | |
|---------------------|----------|
| ETIM Classification | EC001604 |
| CE | Yes |
| CB | Yes |
| UL | Yes |
| BTL | Yes |

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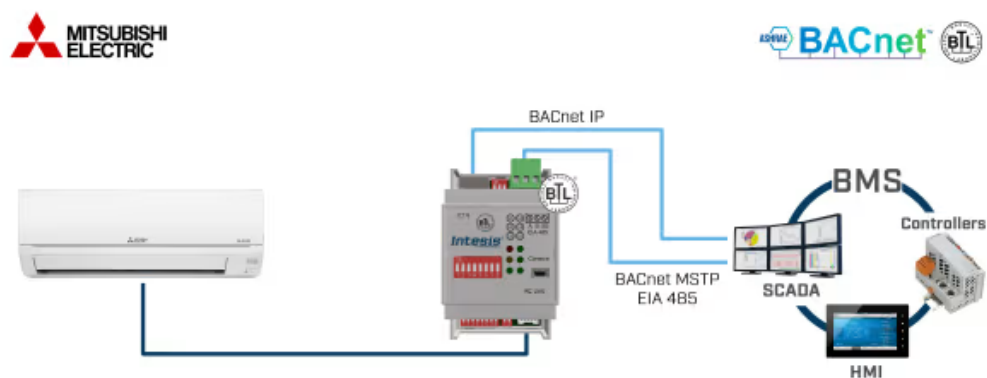
Certifications and Standards

| | |
|---------------|-------------------------------------|
| KNX | Yes |
| WEEE Category | IT and telecommunications equipment |

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Use Case



*BACnet IP or BACnet MSTP communication selectable from switch configuration.

Integration example.