Hitachi VRF systems to MQTT



Hitachi to MQTT - up to 64 indoor units

Item number: IN770AIR00MO000

This gateway allows the integration of Hitachi VRF and air-to-water systems into cloud and IoT platforms using MQTT. A single gateway can integrate up to 64 indoor units.

Features and benefits

- **HVAC bus scanning function**
  Accelerate commissioning and avoid manual mapping errors by automatically discovering and importing all units, including their variables.
- **Remote certificate management**
  Avoid on-site visits and simplify maintenance while ensuring maximum security and continuous operation.
- **Bidirectional communication**
  The gateway operates as both an MQTT publisher and subscriber, sending real-time status data and receiving commands from the control system.
- **Connection to the outdoor unit**
  Avoid complex and expensive wiring: one gateway connected to a single outdoor unit enables individualized control of its indoor units.
- **Predefined topics and unified variable mapping**
  Simplify integration and improve scalability with standardized MQTT topics and a brand-agnostic data model.
- **SSL/TLS encryption**
  Protect the HVAC system data using the latest industry standard security protocols.
- **Support for QoS 0 and QoS 1**
  Choose the data delivery service that best fits your project requirements, balancing performance and data accuracy.
- **Selectable signals**
  Reduce broker load and operational costs by selecting only the required signals from each indoor unit for your project.
- **Connectivity with leading MQTT brokers**
  Integrate your project with major cloud platforms such as AWS and Azure, as well as standard MQTT brokers like Mosquito.
- **Designed in collaboration with Hitachi and certified by UL**
  Ensure reliability in professional building automation environments.

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General

Capacity	M: Up to 64 indoor units
Net Width (mm)	106
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	125
Packed Height (mm)	85
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	0º
Operating Temperature °C Max	60º
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	3
Input Voltage (V)	For DC: 12 .. 36 VDC ±10%, Max: 250 mA For AC: 24 VAC ±10 %, 50-60 Hz, Max: 127 mA Recommended voltage: 24 VDC, Max: 127 mA
Power Connector	3-pole
Configuration	Intesis MAPS
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	This gateway is compatible with any Hitachi VRF unit communicating through the H-Link network.

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General

Content of Delivery	Intesis gateway and installation manual.
Not Included (in delivery)	Power supply not included.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3 years

Identification and Status

Product ID	IN770AIR00MO000_MQT_HIT
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

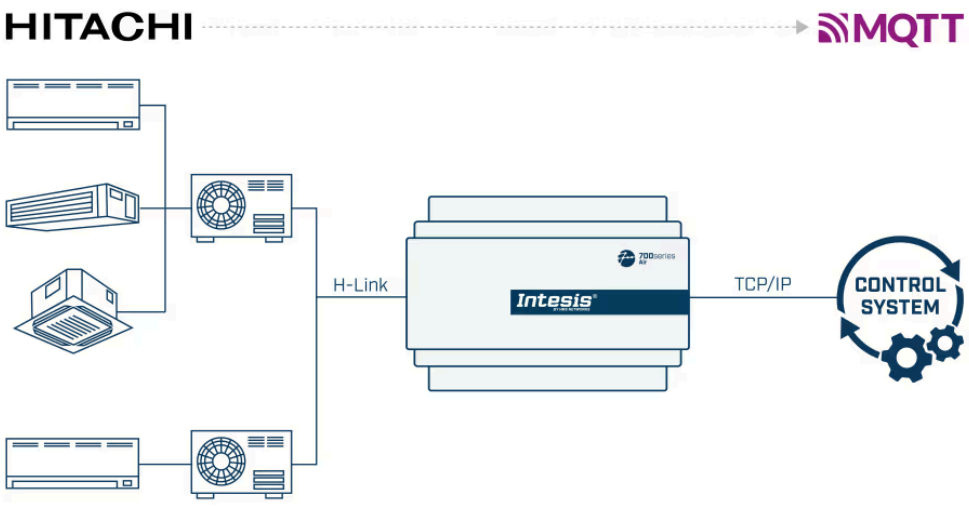
Physical Features

Connectors / Input / Output	Power supply, EIA-485, KNX, Ethernet, HVAC port, Binary inputs (dry contact), Console port USB.
LED Indicators	Gateway and communication status.
Push Buttons	Factory reset.
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	No

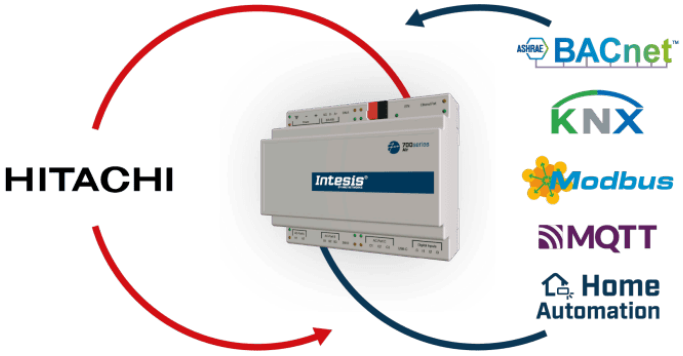
Certifications and Standards

Product Certifications	CE, CB, UKPSTI, UL
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.



Use Intesis MAPS to change the protocol: BACnet, Modbus, KNX, MQTT, or Home Automation