# Fujitsu VRF systems to MQTT




*Fujitsu General to MQTT - up to 4 indoor units*

**Item number: IN775FGLXXSO000**

Connect Fujitsu General multi-indoor unit systems to cloud and IoT platforms using MQTT, for real-time control, monitoring, and energy optimization. This solution allows the integration of up to 4 indoor units.

## Features and benefits

- **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.
- **Bidirectional communication**
  The gateway operates as both an MQTT publisher and subscriber, sending real-time status data and receiving commands from the control system.
- **Scan function**
  Accelerate commissioning by scanning the HVAC bus to automatically detect all connected units and their available control signals, including outdoor unit indicators.
- **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.
- **Remote certificate management**
  Avoid on-site visits and simplify maintenance while ensuring maximum security and continuous operation.
- **Persistent MQTT sessions**
  Disable the Clean Session option to retain subscriptions and queued messages, ensuring uninterrupted HVAC monitoring even after network interruptions.
- **Selectable signals**
  Reduce broker load and operational costs by selecting only the required signals from each indoor unit for your project.
- **Predefined topics and unified variable mapping**
  Simplify integration and improve scalability with standardized MQTT topics and a brand-agnostic data model.
- **A single hardware for multiple brands and protocols**
  Avoid compatibility issues. This gateway supports all currently included brands in the 700 Series Air and is future-ready for new integrations.

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## General

| | |
|---|---|
| **Capacity** | XXS: Up to 4 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 Fujitsu General VRF unit communicating through the X1/X2 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)** | 1 years |

## Identification and Status

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|---|---|
| **Product ID** | IN775FGLXXSO000_MQT_FGL |
| **Country of Origin** | Spain |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |

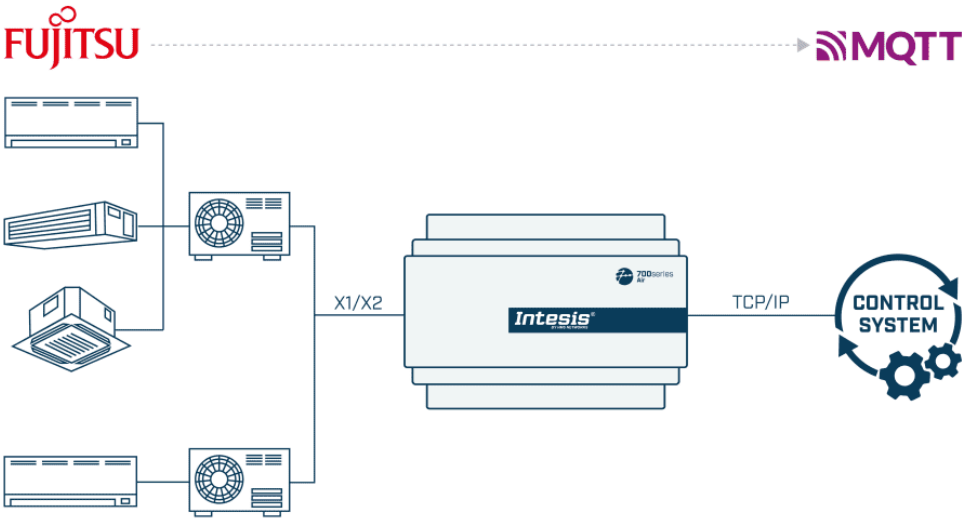
## Physical Features

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|---|---|
| **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