



## Panasonic Aquarea Air-to-Water heat pumps to Modbus RTU

Item number: INMBSPAN001A100

This gateway enables full bidirectional communication between Panasonic Aquarea H/J/K/L/M air-to-water heat pumps and Modbus RTU control systems.

*Panasonic Air-to-Water to Modbus RTU - 1 AW unit*

### Features and benefits

- ✓ **Designed in collaboration with Panasonic**  
Ensure reliability in professional building automation environments.
- ✓ **>170 communication signals implemented**  
Monitor and control all key Aquarea functions, including domestic hot water (DHW) and up to two climate zones.
- ✓ **Cascade control support**  
Manage multiple Aquarea units operating in cascade.
- ✓ **Error and maintenance monitoring**  
Prevent system downtime and extend the overall lifespan of the Aquarea system.
- ✓ **For Aquarea H/J/K/L/M series**  
Avoid compatibility issues.
- ✓ **Built-in DIP switch configuration**  
Set up the gateway quickly without complex software tools.
- ✓ **Specific signals for consumption and energy generation**  
Access detailed data for each mode: tank, heat, and cool.
- ✓ **Weather compensation curve**  
Achieve top energy efficiency without compromising comfort.

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General	
Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	160
Packed Width (mm)	140
Packed Height (mm)	85
Packed Depth (mm)	108
Packed Weight (g)	200
Operating Temperature °C Min	0
Operating Temperature °C Max	70
Storage Temperature °C Min	-20
Storage Temperature °C Max	85
Power Consumption (W)	12 VDC, 60 mA
Isolation Voltage (kV)	1000 VDC
Configuration	DIP switch
Installation Conditions	Install this gateway indoors, in a restricted access location, avoiding exposure to direct solar radiation, water, high relative humidity, or dust.
AC Model Compatibility	Compatible with Panasonic Aquarea H/J/K/L/M Air-to-Water Units.
Content of Delivery	Intesis Gateway, Aquarea unit connection cable, and Installation Manual.
Housing Materials	Plastic

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## General

Packaging Material	Cardboard
Warranty (years)	3 years

## Identification and Status

Product ID	INMBSPAN001A100
Predecessor	INMBSPAN001A000
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

## Physical Features

LED Indicators	1 x Operational status
Contains Battery	No

## Certifications and Standards

CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes
WEEE Category	IT and telecommunications equipment



## Use Case

**Panasonic**

**Modbus**



Integration example.