

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	
Capacity	1 AW unit
Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	100
Packed Width (mm)	135
Packed Height (mm)	85
Packed Depth (mm)	100
Packed Weight (g)	120
Operating Temperature °C Min	0°
Operating Temperature °C Max	60°
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.

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General

Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3 years

Identification and Status

Product ID	INMBSPAN001A100
Predecessor	INMBSPAN001A000
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

LED Indicators	1 x Operational status
Contains Battery	No

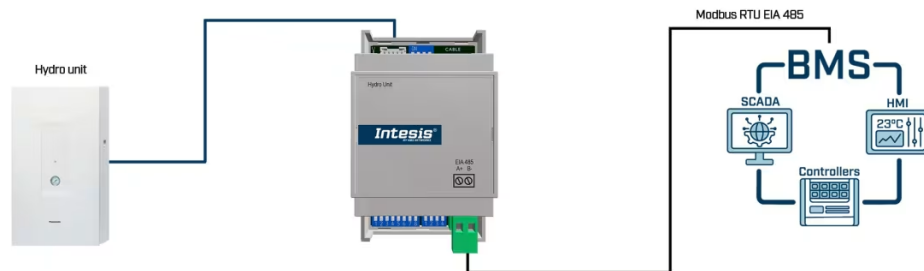
Certifications and Standards

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



Use Case

Panasonic



Integration example.