



## Samsung NASA systems to Modbus RTU

Item number: IN485SAM001R000

This gateway enables full bidirectional communication between Samsung NASA systems and Modbus RTU control systems.

*Samsung to Modbus RTU - 1 indoor unit*

### Features and benefits

- ✓ **Designed in collaboration with Samsung and certified by UL and BTL**  
Ensure reliability in professional building automation environments.
- ✓ **Dual Set Point (DSP) function supported**  
Save time with a single configuration step by setting heating and cooling temperatures together.
- ✓ **Maintenance and error monitoring**  
Prevent system downtime and extend the overall lifespan of the Samsung HVAC system.
- ✓ **>40 communication signals implemented**  
Monitor and control all key Samsung indoor unit functions.
- ✓ **Configurable for BACnet MS/TP and Modbus RTU**  
Reduce warehouse inventory by covering multiple protocols with a single gateway.
- ✓ **Auto-Clean and WindFree support**  
Include Samsung's state-of-the-art features in your integration project.
- ✓ **Coexistence with the Samsung controller**  
Control the system simultaneously via the BMS through the gateway and locally using the Samsung controller.
- ✓ **Built-in DIP switch configuration**  
Set up the gateway quickly without complex software tools.



General	
Capacity	1 indoor unit
Net Width (mm)	70
Net Height (mm)	100
Net Depth (mm)	28
Net Weight (g)	140
Packed Width (mm)	64
Packed Height (mm)	92
Packed Depth (mm)	120
Packed Weight (g)	140
Operating Temperature °C Min	0
Operating Temperature °C Max	70
Storage Temperature °C Min	-20
Storage Temperature °C Max	85
Power Consumption (W)	12VDC - 105mA
Configuration	Dip-switches
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	Samsung NASA systems
Content of Delivery	Intesis Gateway, and Installation Manual.
Housing Materials	Plastic



## General

Warranty (years)	3 years
Packaging Material	Cardboard

## Identification and Status

Product ID	IN485SAM001R000_MBS_SAM
Predecessor	INMBSSAM001R100
HS Code	8517620000
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

## Physical Features

LED Indicators	2x Communication status.
Contains Battery	No

## Certifications and Standards

CE	Yes
CB	Yes
UKPSTI	Yes
UL	Yes
BTL	No
WEEE Category	IT and telecommunications equipment



## Use Case

**SAMSUNG**

**Modbus**



Integration example.