

Samsung NASA units to Modbus RTU interface

Item number: INMBSSAM001R100

The Samsung-Modbus interface allows full bidirectional communication between Samsung NASA air conditioner units and Modbus RTU (RS-485) networks. The interface acts as a server device for the installation, accessing all signals from the air conditioner unit. A wired remote controller can also be part of the network.



Samsung to Modbus RTU - 1 indoor unit

Features and benefits

- ✓ **Modbus RTU (EIA-485) server device**
The interface acts as a Modbus server device through its Modbus RTU (EIA-485 connector) port.
- ✓ **Energy savings through a window contact function**
This function helps minimize costs, as HVAC systems are a major building energy consumer.
- ✓ **AC unit control by both the remote and Modbus RTU**
The AC unit can be simultaneously controlled by the manufacturer's remote controller and Modbus RTU.
- ✓ **Multiple mounting options**
Mounting options include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- ✓ **Dual configuration options**
Configuration is carried out through the interface's onboard DIP switches and the Modbus interface.
- ✓ **Total unit control and monitoring from Modbus RTU**
Through internal variables, running hours counter (for maintenance purposes), and error indication.
- ✓ **No external power required**
The interface is powered directly from the AC unit, so no external power supply is required.



General	
Capacity	1 indoor 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	-40
Storage Temperature °C Max	85
Power Consumption (W)	1.008
Configuration	ETS Database
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	INMBSSAM001R100
Successor	IN485SAM001R000_MBS_SAM
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Physical Features	
LED Indicators	Gateway and communication status.
Contains Battery	No
Certifications and Standards	
Product Certifications	CE, CB, UKPSTI, UL
WEEE Category	IT and telecommunications equipment



Use Case

SAMSUNG

Modbus



Integration example.