Samsung NASA units to Modbus RTU Interface

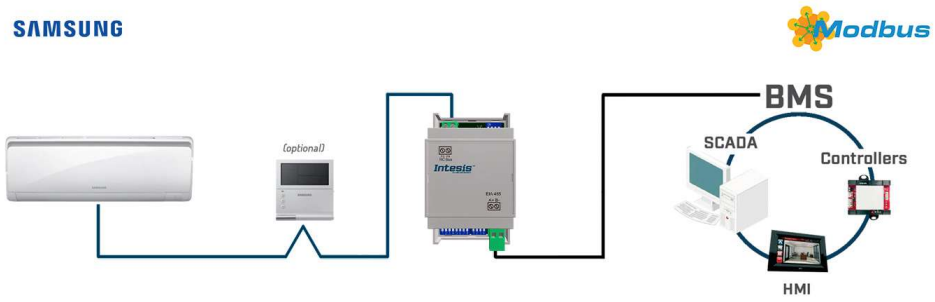
The Samsung-Modbus gateway allows fully bi-directional communication between Samsung NASA Air Conditioner units and Modbus RTU (RS-485) networks.

FEATURES

- Modbus RTU (EIA485) slave device.
- Configuration from both onboard DIP-switches and Modbus RTU.
- Quick and easy installation (plug and set the DP-SW).
- External power not required.
- Simultaneous control of the AC unit by the IR remote controller and by Modbus RTU.
- Reduced dimensions 93 x 53 x 58 mm.
- Mountable on DIN rail, wall, or even inside the indoor unit in some models of AC.
- Window contact function allows energy savings. Costs related to HVAC systems in a building are one of the highest and this type of functions allow to reduce them.
- Total control and monitoring of the AC unit from Modbus RTU, including AC unit's internal variables, running hours counter (for filter maintenance control) and error indication.

Use Case

Integration of Samsung NASA AC units into a Modbus RTU installation.



Description

DIRECT CONNECTION TO INDOOR UNITS

The gateway is wired directly to an indoor unit. This allows not only the control of the main AC functions such as operating mode, fan speed, temperature setpoint...but the monitoring of errors, alarms and some internal variables.

FAST AND EASY TO SET UP BY DIP-SW

The product can be installed and set up in a really short time. It's only a matter of wiring the gateway to the AC unit and configure the DIP-SW accordingly. No configuration software and no power supply are required.

The consistent Modbus register mapping used for all AC brands, helps improving the integration time of each project.

Technical Documentation

User Manual	General information about this product	Download
Installation Manual	Learn how to install the device in your project	Download
HVAC Compatibility tool	Find the appropriate solution for your HVAC integration	Open
HVAC Compatibility	Check your HVAC compatibility	Download
EC Declaration of Conformity	Check the product certification	Download
KC Certification	Check the product KC Certification	Download

Case Study

Case Study 1	Learn how Intesis gateways make integration easy	Open
Case Study 2	Learn how Intesis gateways make integration easy	Open

Commercial Documentation

Marketing Datasheet	Discover all the integration solutions for Samsung	Download
Intesis Brochure	Know more about the Intesis current available products	Download

HVAC Compatibility

Ensure the compatibility of this gateway with your AC model by visiting https://compatibility.intesis.com/

Compatible AC models

AC071MN4PKH/EU | AC090MN4PKH/EU | AC100MN4PKH/EU | AC120MN4PKH/EU | AC140MN4PKH/EU | AC071JN4CEH/EU | AC100JN4CEH/EU | AC125JN4CEH/EU | AC052MN4DKH/EU | AC071MN4DKH/EU | AC090MN4DKH/EU | AC100MN4DKH/EU | AC120MN4DKH/EU | AC140MN4DKH/EU | AC026JNNCEH/EU | AC026MNNDKH/EU | AC035JNNCEH/EU | AC035MNNDKH/EU | AC052MNNDKH/EU | AC060MNNDKH/EU | AC071MNNDKH/EU | AC026KNADEH/EU | AC035KNADEH/EU | AC071KNADEH/EU | AC100KNPDEH/EU | AC140KNPDEH/EU | AC100MNCDKH/EU | AC120MNCDKH/EU | AC140MNCDKH/EU | AC160JNCDEH/EU | AC180JNHPKH/EU | AC200KNHPKH/EU | AC250KNHPKH/EU | AC052MNCDKH/EU | AC071MNCDKH/EU | 'AC026MNJDKH/EU | AC035MNJDKH/EU | AC052MNJDKH/EU | AC035JNMCEH/EU | AC071JNMCEH/EU | AC100JNMCEH/EU | AC125JNMCEH/EU | AC052MNMSEH/EU | AC071MNMSEH/EU | AC100MNMSEH/EU | AC120MNMSEH/EU | AC100MNTCEH/EU | AC100MNTDEH/EU | AC035MNMDKH/EU | AC052MNMDKH/EU | AC060MNMDKH/EU | AC071MNMDKH/EU | AC090MNMDKH/EU | AC100MNMDKH/EU | AC120MNMDKH/EU | AC140MNMDKH/EU | AC026MN1DKH/EU | AC035MN1DKH/EU | AC026MNLDKH/EU | AC035MNLDKH/EU | AC052MNLDKH/EU | AC071MNLDKH/EU | AC052NN4DKH/EU | AC071NN4DKH/EU | AC090NN4DKH/EU | AC100NN4DKH/EU | AC120NN4DKH/EU | AC140NN4DKH/EU | AC026NNNDKH/EU | AC035NNNDKH/EU | AC052NNNDKH/EU | AC060NNNDKH/EU | AC071NNNDKH/EU | AM056FN2DEH/EU | AM071FN2DEH/EU | AM045KN4DEH/EU | AM056KN4DEH/EU | AM071KN4DEH/EU | AM090KN4DEH/EU | AM112KN4DEH/EU | AM128KN4DEH/EU | AM140KN4DEH/EU | AM045FN4DEH/EU | AM056FN4DEH/EU | AM071FN4DEH/EU | AM090FN4DEH/EU | AM112FN4DEH/EU | AM128FN4DEH/EU | AM140FN4DEH/EU | AM015HNNDEH/EU | AM022FNNDEH/EU | AM028FNNDEH/EU | AM036FNNDEH/EU | AM045FNNDEH/EU | AM056FNNDEH/EU | AM060FNNDEH/EU | AM015JNADKH/EU | AM022JNADKH/EU | AM028JNADKH/EU | AM036JNADKH/EU | AM045JNADKH/EU | AM056JNADKH/EU | AM071JNADKH/EU | AM082JNADKH/EU | AM015JNVDKH/EU | AM022JNVDKH/EU | AM028JNVDKH/EU | AM036JNVDKH/EU | AM045JNVDKH/EU | AM056JNVDKH/EU | AM071JNVDKH/EU | AM082JNVDKH/EU | AM093MNQDEH/EU | AM112JNCDKH/EU | AM140JNCDKH/EU | AM180JNHFKH/EU | AM224JNHFKH/EU | AM056FNCDEH/EU | AM071FNCDEH/EU | AM036MNFDEH/EU | AM056MNFDEH/EU | AM071MNFDEH/EU | AM036FNFDEH/EU | AM056FNFDEH/EU | AM071FNFDEH/EU | AM022KNJDEH/EU | AM028FNJDEH/EU | AM036FNJDEH/EU | AM045KNJDEH/EU | AM056FNJDEH/EU | AG026MN1DEH/EU | AG032MN1DEH/EU | AG042MN1DEH/EU | AG060MN4PKH/EU | AG072MN4PKH/EU | AG090MN4PKH/EU | AG105MN4PKH/EU | AG060MN4DKH/EU | AG072MN4DKH/EU | AG090MN4DKH/EU | AG105MN4DKH/EU | AM050FNKDEH/EU | AM100FNKDEH/EU | AM112FNHDEH/EU | AM128FNHDEH/EU | AM140FNHDEH/EU | AM220FNHDEH/EU | AM280FNHDEH/EU | AM112HNHPKH/EU | AM128HNHPKH/EU | AM140HNHPKH/EU | AM022FNMDEH/EU | AM028FNMDEH/EU | AM036FNMDEH/EU | AM045FNMDEH/EU | AM056FNMDEH/EU | AM071FNMDEH/EU | AM090FNMDEH/EU | AM112FNMDEH/EU | AM022KNMDEH/EU | AM028KNMDEH/EU | AM036KNMDEH/EU | AM045KNMDEH/EU | AM056KNMDEH/EU | AM071KNMDEH/EU | AM090KNMDEH/EU | AM112KNMDEH/EU | AM128KNMDEH/EU | AM140KNMDEH/EU | AM160KNMDEH/EU | AM036HNMPKH/EU | AM045HNMPKH/EU | AM056HNMPKH/EU | AM071HNMPKH/EU | AM090HNMPKH/EU | AM112HNMPKH/EU | AM128HNMPKH/EU | AM140HNMPKH/EU | AM015KNTDEH/EU | AM022KNTDEH/EU | AM028KNTDEH/EU | AM036KNTDEH/EU | AM045KNTDEH/EU | AM056KNTDEH/EU | AM071KNTDEH/EU | AM140MNEPEH/EU | AM220MNEPEH/EU | AM280MNEPEH/EU | AM140JNPDKH/TK | AM280JNPDKH/TK | AM017HN1DEH/EU | AM022HN1DEH/EU | AM022FN1DEH/EU | AM028FN1DEH/EU | AM036FN1DEH/EU | AM056JN1DEH/EU | AM071JN1DEH/EU | AM017FNLDEH/EU | AM022FNLDEH/EU | AM028FNLDEH/EU | AM036FNLDEH/EU | AM045FNLDEH/EU | AM056FNLDEH/EU | AM071FNLDEH/EU | AM090FNLDEH/EU | AM112FNLDEH/EU | AM128FNLDEH/EU | AM140FNLDEH/EU | AM045KNLDEH/EU | AM056KNLDEH/EU | AM071KNLDEH/EU | AM090KNLDEH/EU | AM112KNLDEH/EU | AM128KNLDEH/EU | AM140KNLDEH/EU | AM017KNLDEH/EU | AM022KNLDEH/EU | AM028KNLDEH/EU | AM036KNLDEH/EU | AM090NN4DEH/EU | AM112NN4DEH/EU | AM128NN4DEH/EU | AM140NN4DEH/EU | AM015NNNDEH/EU | AM022NNNDEH/EU | AM036NNNDEH/EU | AM028NNNDEH/EU | AM045NNNDEH/EU | AM056NNNDEH/EU | AM060NNNDEH/EU | AM017NN1PEH/EU | AM022NN1DEH/EU | AM022NN1PEH/EU | AM028NN1DEH/EU | AM036NN1DEH/EU | AM056NN1DEH/EU | AM071NN1DEH/EU | AE022MNADEH/EU | AE028MNADEH/EU | AE036MNADEH/EU | AE056MNADEH/EU | AE071MNADEH/EU | AE022MNJDEH/EU | AE028MNJDEH/EU | AE036MNJDEH/EU | AE056MNJDEH/EU | AE071MNMPEH/EU | AE090MNMPEH/EU | AE022MNLDEH/EU | AE028MNLDEH/EU | AE036MNLDEH/EU | AE056MNLDEH/EU

* The asterisks stand for any character in the asterisk' position.

ORDER CODE:

INMBSSAM001R100	Samsung NASA units to Modbus RTU Interface - 1 unit

INCLUDED COMPONENTS:

Intesis Gateway.

Installation Manual.

Warranty: 36 months.

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