RS PRO

Features

- Extends the capability of the 264-1020 Multifunction Network Analysers

- Automatically recognised by 264-1020

- Baud rate: 1200/2400/4800/9600/ 19200 bps

- Real-time data measurement from RI-F550

RS PRO BACNET RS485 MODULE FOR POWER QUALITY ANALYSER

RS Stock No.: 264-1025

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The 264-1025 is a BACnet/MSTP communication module used to extend the bus communication function of the 264-1020 Network Analyser.
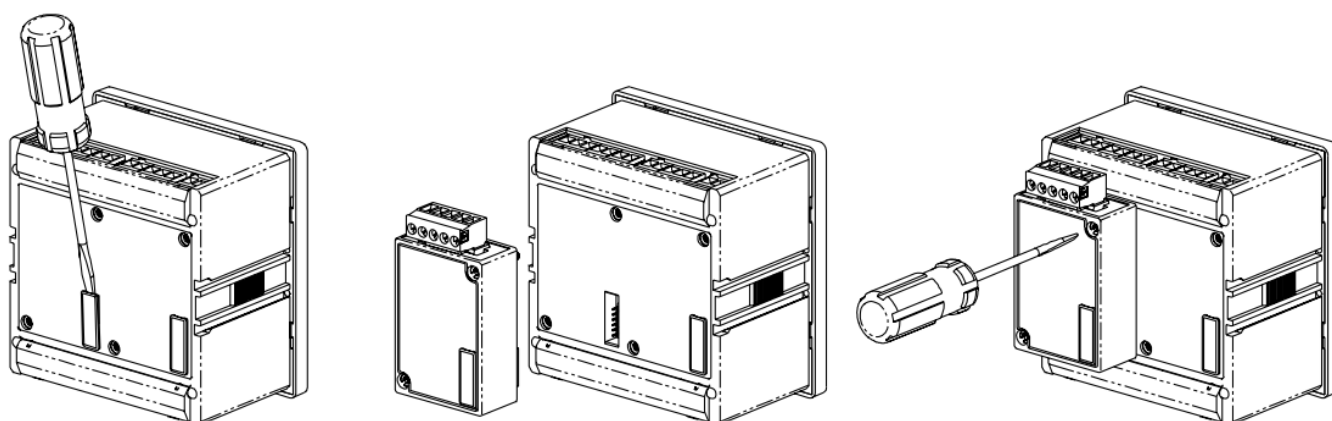
Baud rate: 1200/2400/4800/9600/19200 bps

Based on MSTP communication method

Relevant parameters can be configured through the host computer or 264-1020 Network Analyser.

Installation and Operation

Disconnect the power supply of Network Analyser and then connect the 264-1025 module to slot X2 (take X2 slot as an example).

Connect the Network Analyser to the power supply, and then enter the module interface of the Analyser to check the information of slot X2.

If the connection between the meter and the module is correct, the parameters of 264-1025 module will be shown.
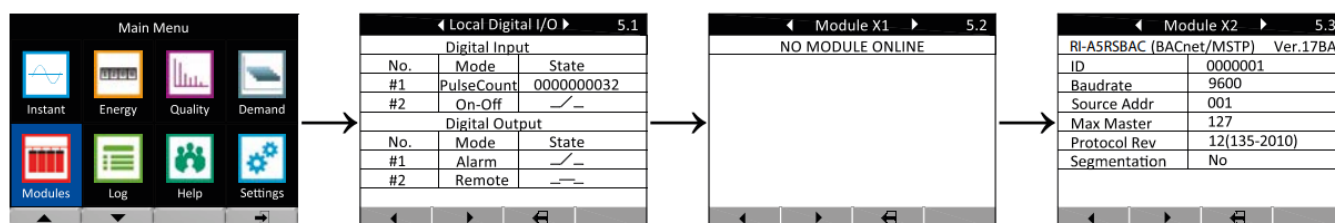

In the BACnet/MSTP network, users can read the real-time measurement data of 264-1020 Network analyser (with 264-1025 module) through standard protocol, or realize remote parameter configuration through fixed instructions

Configuration

In the BACnet/MSTP network, users can read the real-time measurement data of Network Analyser (with 264-1025 module) through standard protocol, or realize remote parameter configuration through fixed instructions.
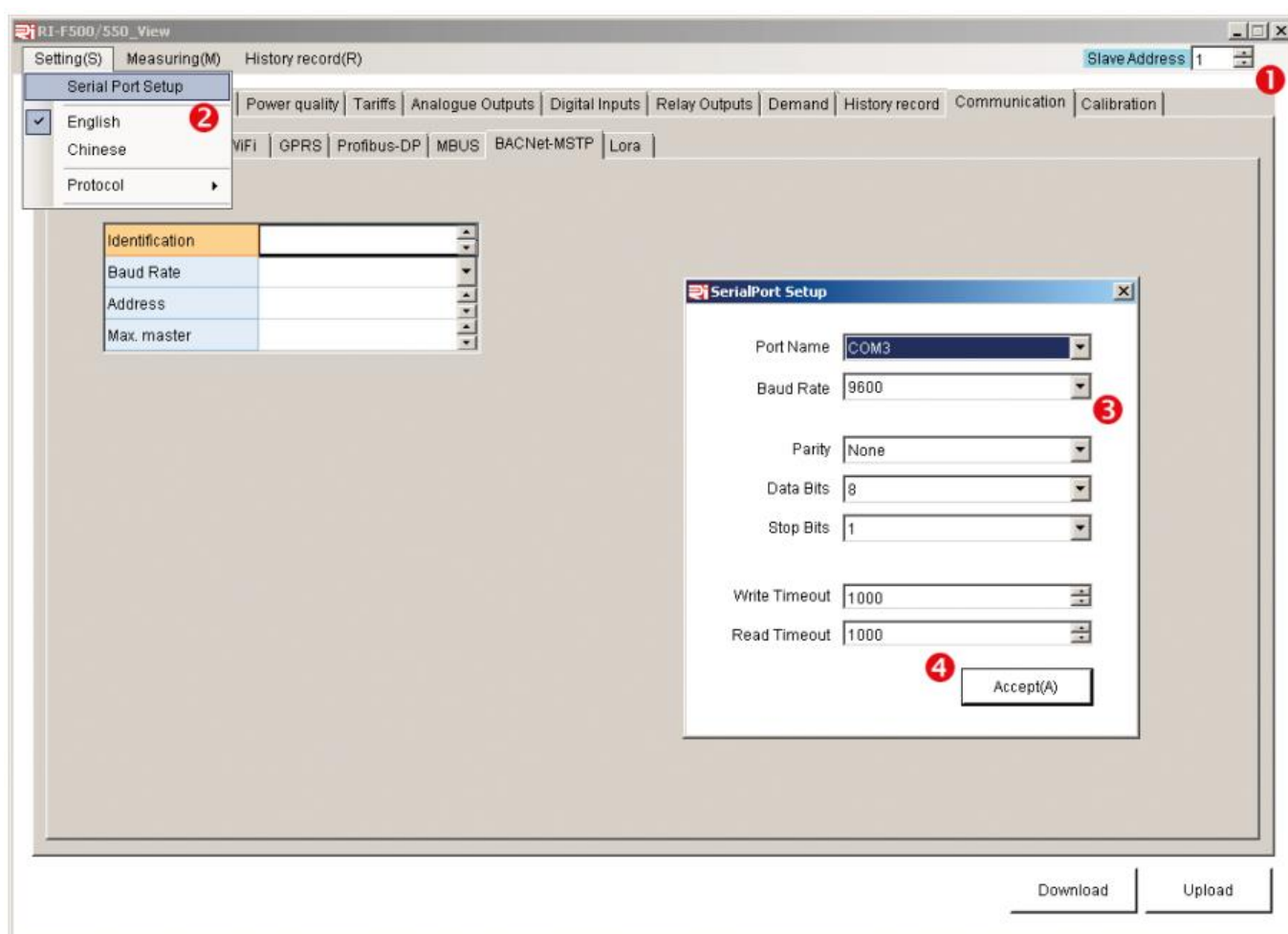
Configuring the 264-1025 module through the 264-1020 Analyser
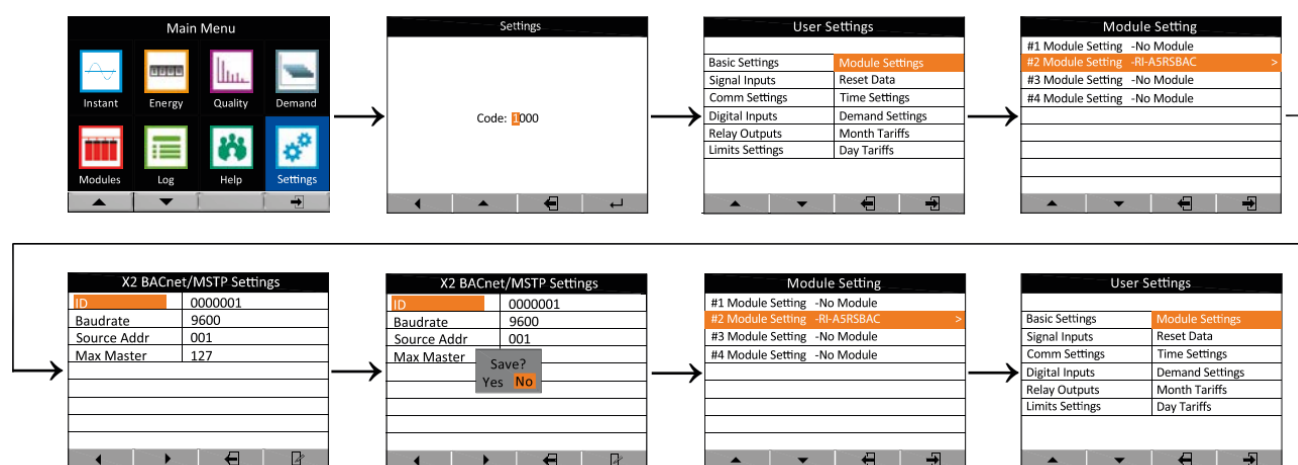
Configuring the 264-1025 module via computer with RI-FXX Viewer software.

After opening the 264-1020 Network Analyser host computer:

1. Change the slave address (this address is the Modbus address of the 264-1020 Network Analyser)

2. Open serial port settings from setup options

3. Modify port number, baud rate, data format, etc.

4. Click 'Accept' to save the communication settings.

BACnet Protocol Implementation

Product name	BACnet/MSTP Communication Module
Product model	RI-A5RSBAC
Application software version	RI-A5RSBAC.1000.17BA
BACnet protocol version	1
BACnet protocol revised version	7
Product Description	BACnet/MSTP communication module, extending the bus communication function of RI-F500 Series Network Analysers
BACnet standardised equipment configuration	BACnet Standard 135-2008 Annex L
BACnet dedicated controller	B-ASC
List of all supported BACnet interoperability building blocks (BACnet Standard 135-2008 Annex K)	DS-RP-B (data sharing - read attribute - B) DS-WP-B (data sharing – write attribute - B) DS-RPM-B (data sharing – multiple read attributes - B) DM-DDB-B (Device Management – Dynamic Device Binding - B) DM-DOB-B (Device Management - Dynamic Object Binding - B) DM-DCC-B (Device Management – Device Communication Control - B
Segmentation feature	Segmentation is not supported

Supported standard object types	Dynamic creation of objects is not supported. Dynamic deletion of objects is not supported No optional attributes.
Standard objects for non-standard use	The current value attribute of the analogue output object cannot be directly modified, but the analogue output can be changed by changing the value of AV846~AV877.

Device Object

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Supporting private properties	Attribute Identifier : 9600 Type of Data : Integer Meaning : Baud Rate 0 : 1200 bps 1 : 2400 bps 2 : 4800 bps 3 : 9600 bps (default) 4 : 19200 bps Attribute Identifier : 9601 Type of Data : Integer Meaning : MAC address (0…127)
Writable properties	Object identifier Maximum number of primary nodes 9600 9601
Analogue input object	Supporting private properties : No Writable properties : No
Analogue output object	Supporting private properties : No Writable properties : No
Analogue value object	Supporting private properties : No Writable properties : The current value.
Binary input object	Supporting private properties : No Writable properties : No
Binary output object	Supporting private properties : No Writable properties : The current value.
Binary value object	Supporting private properties : No Writable properties : No
Data link layer options	MS/TP Master (Chapter 9) Baud rate: 1200, 2400, 4800, 9600, 19200 bps. Note : The baud rates of 1200, 2400 and 4800 bps are not recommended because they are not standard baud rates in the protocol.
Device address binding	Not supported
Supporting character sets	ANSI X3.4
List of objects	The communication objects include analogue input objects, analogue output objects, analogue value objects, binary input objects, binary output objects, and binary value objects. The total number of objects is about 1000. For details, see the RI-A5RSBAC Communication Manual.

Technical Parameters

Communication Interface	RS485
Baud rate	1200/2400/4800/9600/19200 bps
Operating type	MACnet/MSTP Master
Communication protocol	MACnet/MSTP

Environmental

Operating Temperature	-25˚C…+75˚C
Storage Temperature	-40˚C…+85˚C
Relative humidity	0…95%, non-condensing

Dimensions
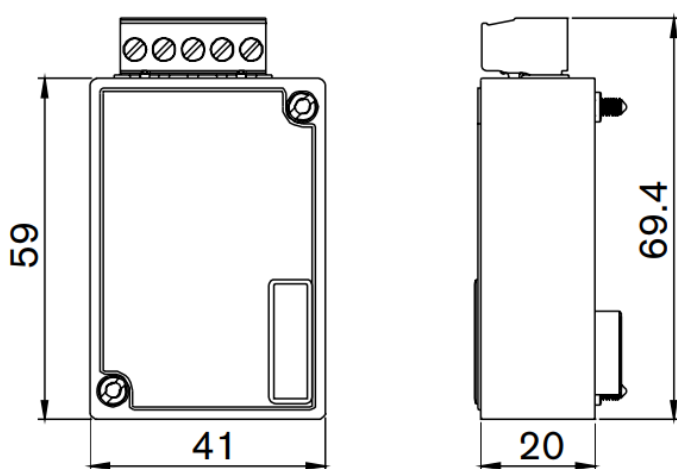
All dimensions in millimetres

Safety Instruction

It is recommended to use this module as a reference to the following content: 264-1020 Network Analyser User Manual, BACnet Standard 135-2008.

Please read this user manual carefully before using this module. This module must be installed and serviced only by professional personnel. Manufacturer shall not be held responsible for failure to comply with the instructions in this manual.