

RI-A5GPRS Module



GPRS Module for RI-F500 Series (Modbus-TCP)

- Extends the capability of the RI-F500 Series Multifunction Network Analysers
- Automatically recognised by RI-F500 Series
- Supports quad band - 850/900/1800/1900
- GPRS (TCP) working mode
- SMS (short message inquiry/short message alarming)
- Supports standard Modbus-TCP protocol
- Reliable TCP connection

Product Description

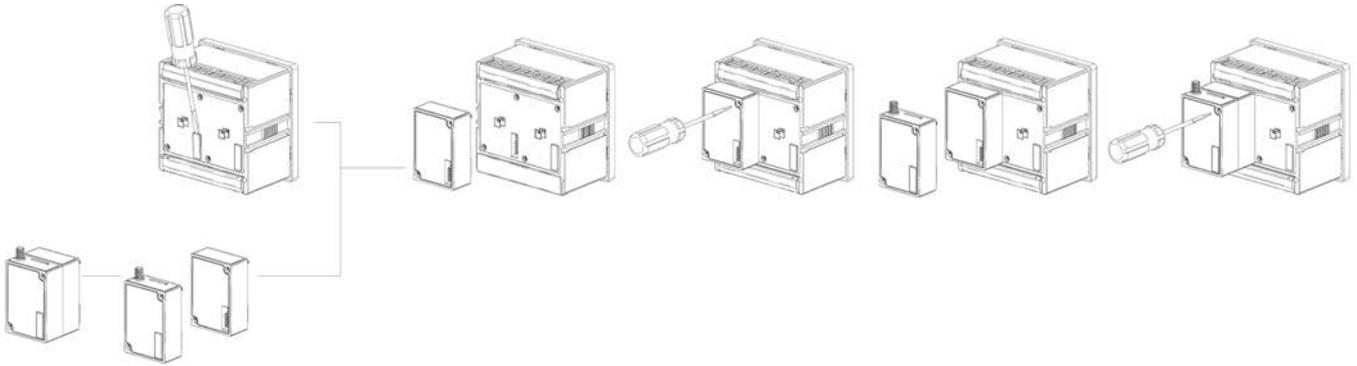
The RI-A5GPRS is a GPRS (Modbus-TCP) communication module used to extend the function of the RI-F500 Series Network Analysers.

Safety Instruction

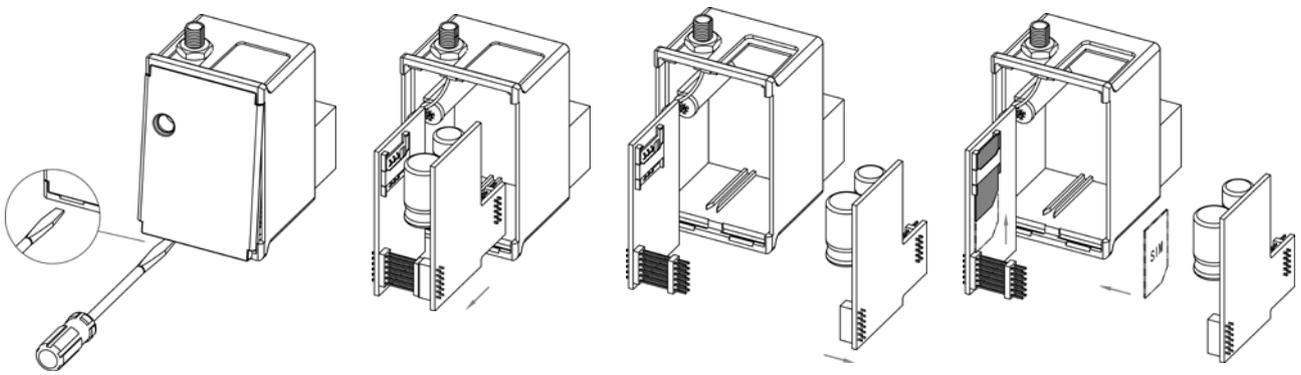
Please read this user information carefully before using this module. This module must be installed and serviced by professional personnel. The installer is responsible for compliance with these instructions. It is recommended that the user also refers to the RI-F550 user manual, Modbus-RTU Communication user manual and Modbus Protocol Implementation over TCP/IP guide.

Installation and Operation

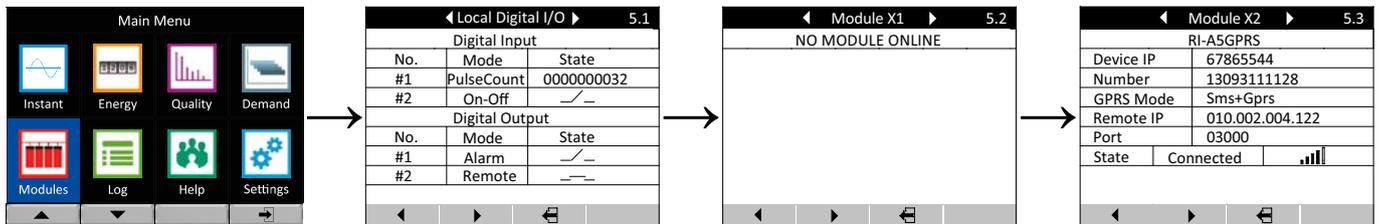
Disconnect the power supply of RI-F500/RI-F550, and then connect the RI-A5GPRS module to slot X2 (take slot X2 as example).



SIM card installation

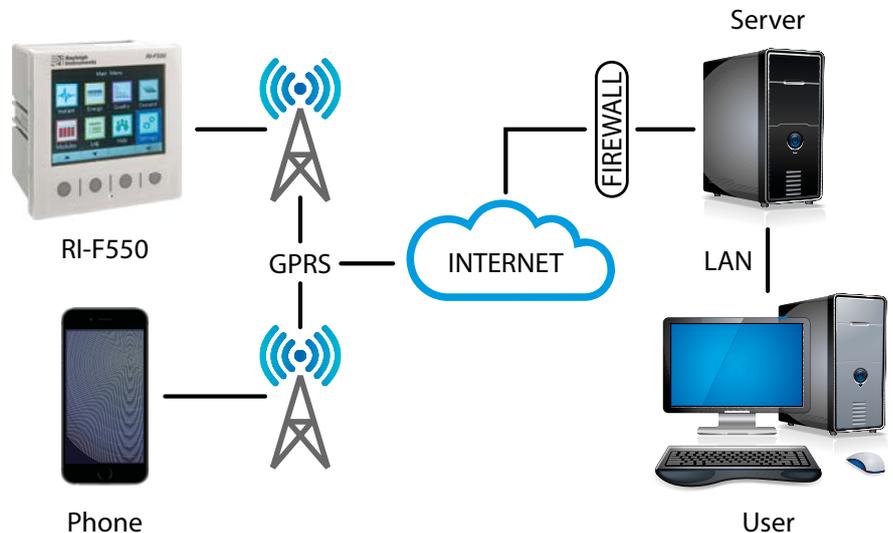


Connect the RI-F500/RI-F550 to the power supply, and then enter the module interface of the RI-F500/RI-F550 to check the information of slot X2. If the connection between the meter and the module is correct, the parameters of RI-A5GPRS will be shown as the diagram below.



Communication Model

In GPRS and Internet network, cell phone users can read the real-time data of the RI-F550 equipped with a RI-A5GPRS module through short message mode. A user can also connect to the RIF550 on a PC with TCP connection via a data centre or server connected to the internet for remote data acquisition and control as illustrated.



The parameters of the RI-A5GPRS module can also be configured through special software. The RI-F500 Series analysers are equipped with a RS485 interface and can be connected to a PC through a RS232(USB) / RS485 conversion device. See the user manual for more information.



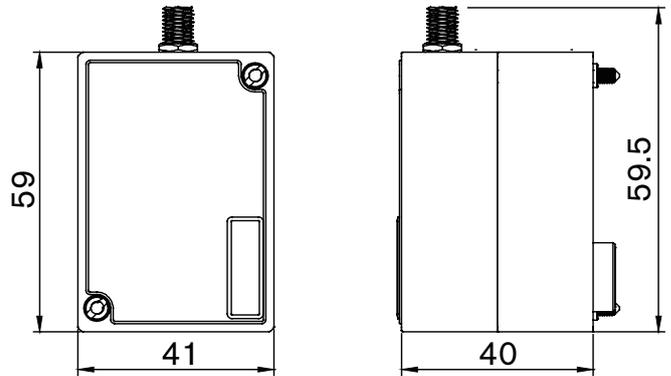
Technical Parameters

Network Interface	GPRS
Working frequency	850/900/1800/1900
Working mode	GPRS (TCP) SMS
Protocol	Modbus-TCP
SMS format	Text
Antenna	External

Environmental Conditions

Operating temperature	-25°C...+85°C
Storage temperature	-40°C...+85°C
Relative humidity	0...95%, non-condensing

Dimensions



Model Selection Table

Description	Model
GPRS (Modbus-TCP) communication module	RI-A5GPRS