

RI-A5ETNT Module



Ethernet Communication Module for RI-F500 Series

- Extends the capability of the RI-F500 Series Multifunction Network Analysers
- Automatically recognised by RI-F500 Series
- One 10M RJ45 network interface
- Supports 802.3 standard Ethernet framework
- Working mode TCP server
- DHCP support for automatic IP acquisition
- Pre-programmed Globally unique Node MAC address
- Supports standard Modbus-TCP protocol
- Reliable TCP connection

Product Description

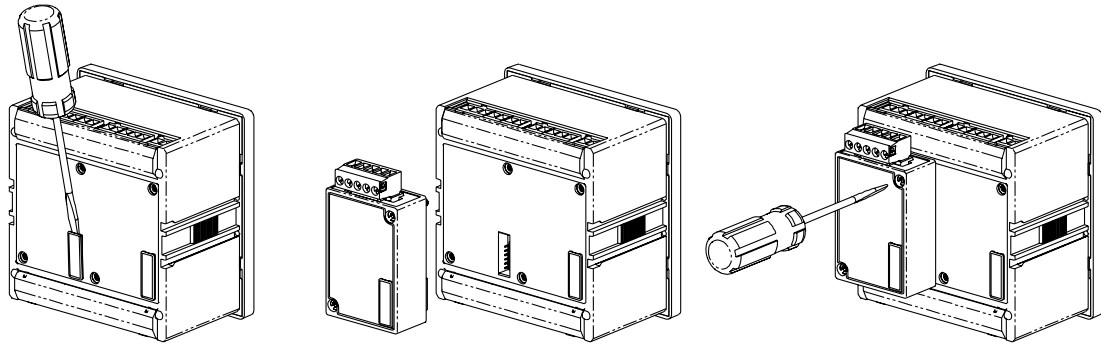
The RI-A5ETNT is a Ethernet communication module used to extend the function of the RI-F500 Series Network Analysers.

Safety Instruction

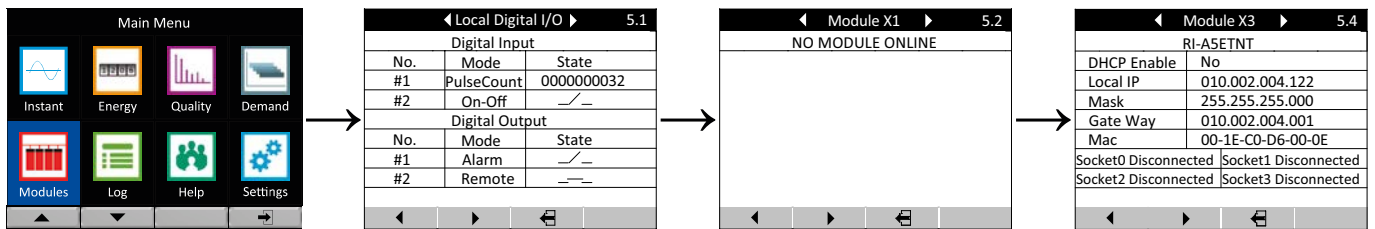
Please read this user information carefully before using this module.
This module must be installed and serviced by professional personnel.
The installer is responsible for compliance with these instructions.

Installation and Operation

Disconnect the power supply of RI-F500/RI-F550, and then connect the RI-A5ETNET module to slot X2 (take slot X2 as example).

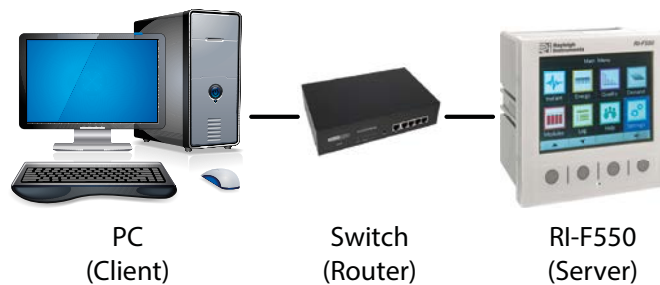


Connect the RI-F500/RI-F550 to the power supply, and then enter the module interface of the RI-F500/RI-F550 to check the information of slot X2. If the connection between the meter and the module is correct, the parameters of RI-A5ETNT will be shown as the diagram below.



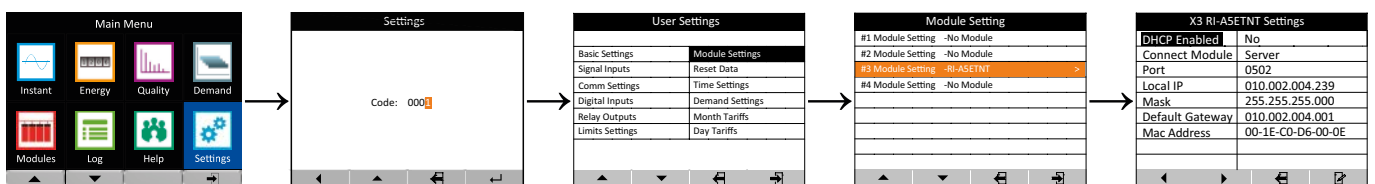
Configuration

RI-F550 equipped with a RI-A5ETNT module is used as a server in a LAN (Local Area Network) built on a switch or router. A PC or other equipment with Ethernet connection is used as client to access the server for data exchange and control as illustrated below.



Module configuration through the panel of RI-F550

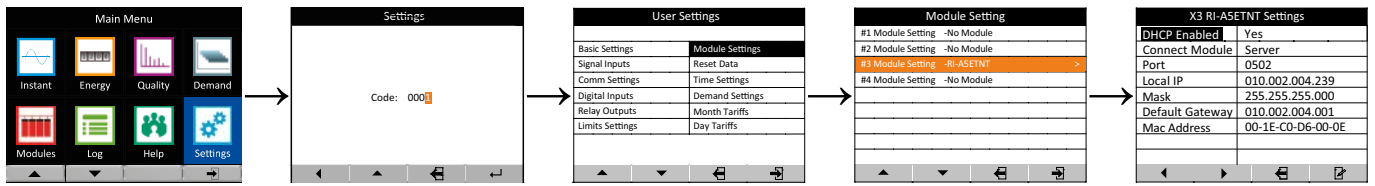
The communication parameters of the RI-A5ETNT, including DHCP, Port, Local IP, Subnet mask and Gateway, are configured through the panel of RI-F550 (see below).



The RI-A5ETNT will re-start after the configuration is finished.

It is suggested to wait for three seconds and return to module display interface and check whether the configuration is correct.

If the switch or router is equipped with a DHCP function, the DHCP of the RI-A5ETNT can be set as 'Enable' to realize automatic address assignment (see below).



If the IP address is automatically assigned through DHCP, the parameters of Local IP, Subnet mask and Gateway can not be set manually. After the configuration is finished, return to module display interface to check the dynamic assignment address.

The parameters of the RI-A5ETNT 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.



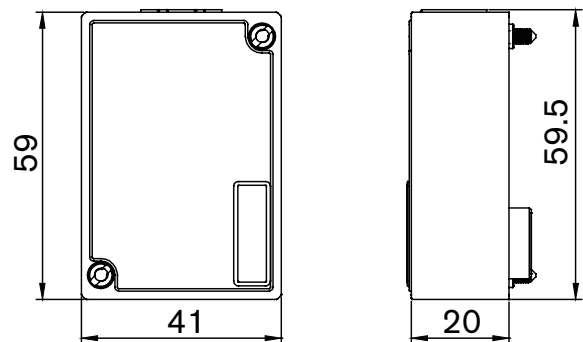
Technical Parameters

Interface	RJ45 (10M)
Frame Format	IEEE802.3
Working Mode	Server
MAC	IEEE Certification - Globally unique
IP	Static set or DHCP
Protocol	Modbus-TCP
Isolation transformer	1.5kV

Environmental Conditions

Operating temperature	-25°C...+75°C
Storage temperature	-40°C...+85°C
Relative humidity	0...95%, non-condensing

Dimensions



Model Selection Table

Description	Model
Ethernet communication module	RI-A5ETNT