




# MaxLong MG8322 Modbus Gateway User Manual

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## MG8322 Modbus Gateway



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[www.maxlong.com.tw](http://www.maxlong.com.tw)



<http://www.maxlong.com.tw>



<http://www.maxlong.com.tw/product-detail/lora-converter>

## Introduction

This MG8322 Modbus gateway provides the ways of connecting serial devices to Ethernet. It is designed to operate serial ports through Ethernet (10/100Mbps) over TCP/IP network. As the data is transmitted via Modbus protocol, therefore data acquisition and controlling is available to go through Intranet and Internet. There are two serial ports as one is a RS-232 and other one is RS-422/485. Configuration is easy to operate via web page setup.

This Modbus gateway is a high performance design composed with carefully selecting qualified components from reliable and certified sources. This operation manual will guide you to configure functions step by step.

This Modbus gateway provides RTU to TCP Slave, ASCII to TCP Slave ,TCP to RTU Slave , TCP to ASCII Slave Mode, and it also supports manual configuration via web browser.

### 1.1 Product Views

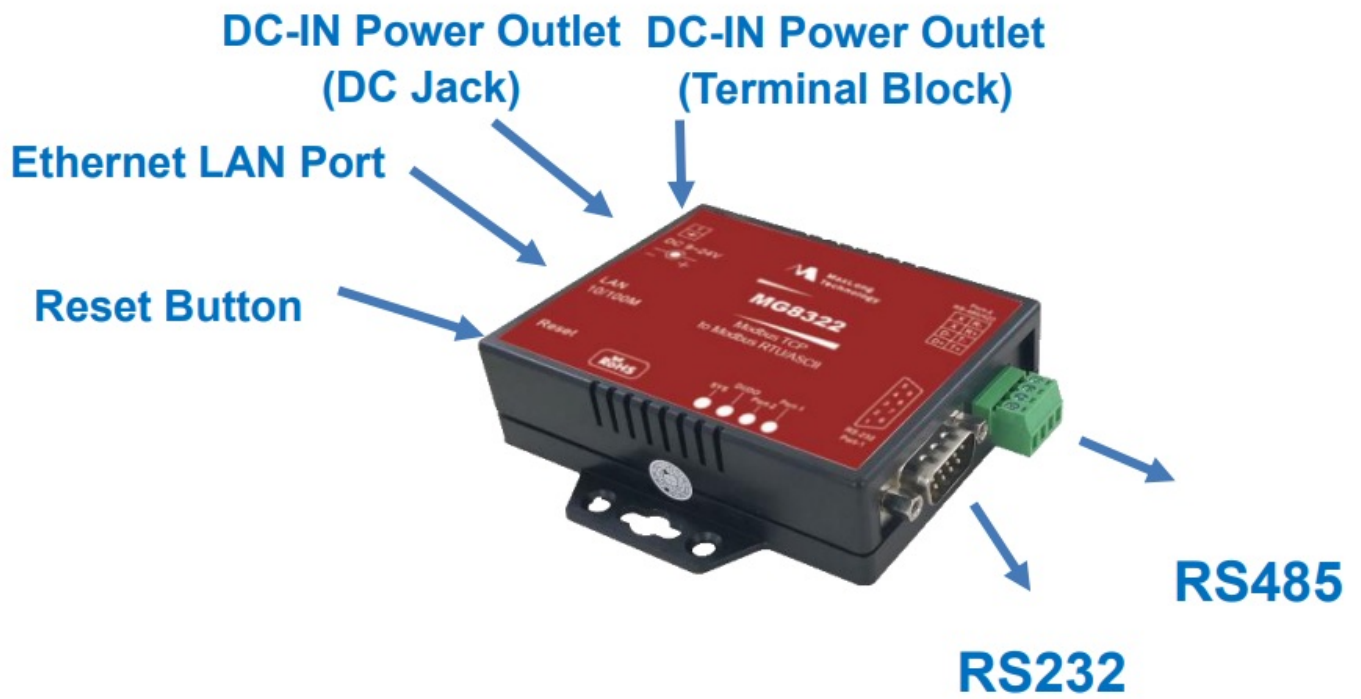


Figure 1 Product View

## 1.2 Wiring Architecture

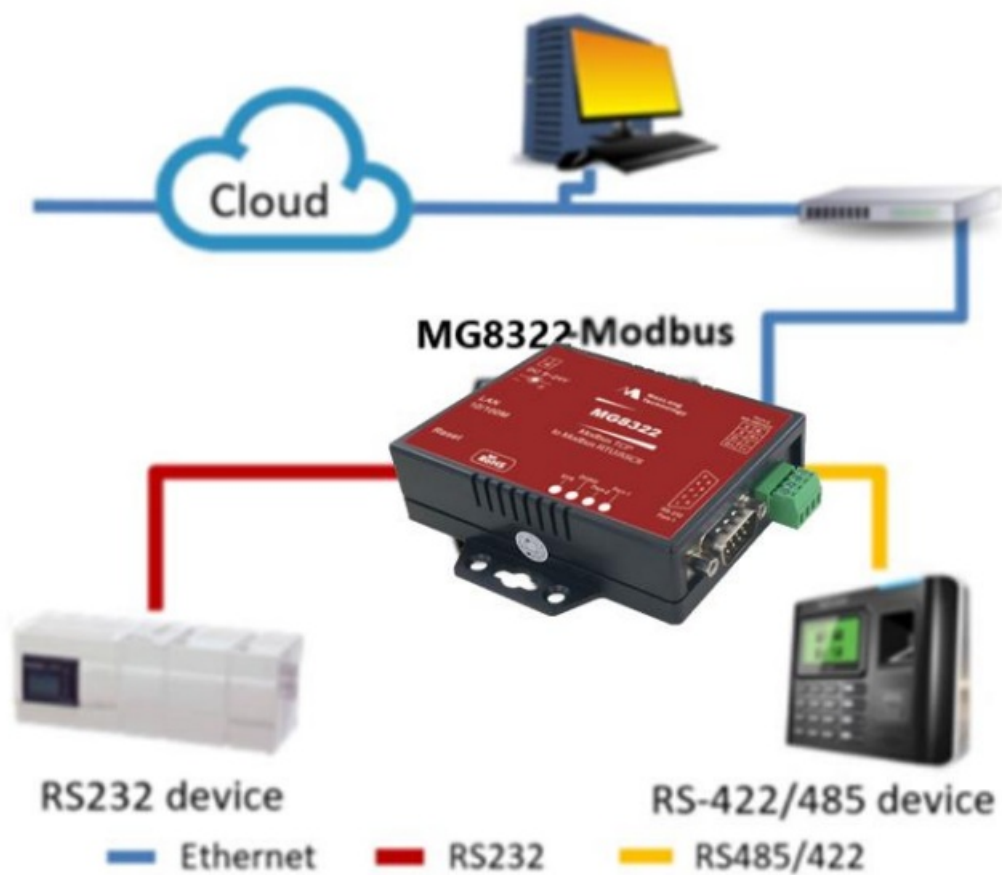


Figure 2 Wiring Architecture

## Configuration

### 2.1 Configuration Via Web

Step1→ The first thing is to configure the Host PC's IP address

IP :192.168.0.xx

Step2→ Open a web page of configuration <http://192.168.0.100>

Step3→ Default User name: "admin" and Password: "Leave it Blank"

Step4→ And now you have successfully connected to this Modbus gateway

### 2.2 Configuration Sections

#### 2.2.1 System Setup

**System Status:** Display current status and time of the system

Serial To Ethernet Converter	
Login setting	
System time elapsed (Day:Hour:Min:Sec)	0:0:0:25
Firmware version	Mar 7 2014 22:35:39
Serial number	LM6911-M21
Ethernet MAC address	00-01-02-03-04-05
Password	<input type="text"/>
<input type="button" value="Login"/>	

#### 2.2.2 Network Setup

Serial To Ethernet Converter	
Parameter setting	
IP address	192.168.0.100
Subnet mask	255.255.255.0
Gateway IP	0.0.0.0
Link Modes	Auto detect ▼
DHCP Client	Disable ▼
Auto Reset (No data input)	0 (1 ~ 255 Minute)
Device Name	Serial_TCPIP
Login password	<input type="text"/>

1. Network Link Mode : default value is "Auto"
2. IP Address : default value is "192.168.0.100"
3. Subnet Mask : default value is "255.255.255.0"
4. Gateway : default value is "blank"
5. Device Name : default value is "Serial\_TCPIP"
6. DHCP Client : Network configuration information automatically acquired default value is "Disable"

### 2.2.3 Serial Port Setup

Serial I/O Port 1 0	
Local port,Socket mode	501 TCP Server ▼
Remote IP,Port (TCP Client/UDP)	0.0.0.0 0
Interface	RS232 ▼
Baudrate	9600 ▼
Parity,Data bit,Stop bit	None ▼ 8 ▼ 1 ▼
Force off-line time (No data input)	10 (1 ~ 255 Minute)
Packet collect time	Tx 0 Rx 0 (mSec)
Modbus type	TCP To RTU Slave ▼
Serial I/O Port 2 0	
Local port,Socket mode	502 TCP Server ▼
Remote IP,Port (TCP Client/UDP)	0.0.0.0 0
Interface	Auto Detect ▼
Baudrate	9600 ▼
Parity,Data bit,Stop bit	None ▼ 8 ▼ 1 ▼
Force off-line time (No data input)	10 (1 ~ 255 Minute)
Packet collect time	Tx 0 Rx 100 (mSec)
Modbus type	TCP To RTU Slave ▼

1. Gateway Type: RTU Slave to TCP Master, and etc. 4 modes are seletable
2. Message Timeouts : default value is 500ms
3. Gateway Type: default value is RTU Slave to TCP Master and ASCII Slave to TCP Master, Configuration interface is as shown above:  
Serial Device for RTU or ASCII RTU or ASCII Asynchronous serial device settings
  - a. Device : Asynchronous serial device type currently supports RS232, RS485, RS422
  - b. Baud Rate: 960 19200 bps, and etc.
  - c. Parity : None, Odd, Even
  - d. Data Bits: 8, 7, 6, and etc.
  - e. Stop Bits : The end of the signal bits of bytes
4. Gateway Type is TCP Slave to RTU Master and TCP Slave to ASCII Master,

## 2.2.4 Modbus Setup

Configuration interface is as shown below:

Serial I/O Port 1 0	
Local port,Socket mode	501 TCP Server
Remote IP,Port (TCP Client/UDP)	0.0.0.0 0
Interface	RS232
Baudrate	9600
Parity,Data bit,Stop bit	None 8 1
Force off-line time (No data input)	10 (1 ~ 255 Minute)
Packet collect time	Tx 0 Rx 0 (mSec)
Modbus type	TCP To RTU Slave

Serial I/O Port 2 0	
Local port,Socket mode	
Remote IP,Port (TCP Client/UDP)	0.0.0.0 0
Interface	

Serial Device for RTU or ASCII RTU or ASCII Asynchronous serial device settings




- a. Device : Asynchronous serial device type currently supports RS232, RS485, RS422
  - b. Baud Rate: 960 19200 bps, and etc.
  - c. Parity : None, Odd, Even
  - d. Data Bits: 8, 7, 6
  - e. Stop Bits: The end of the signal bits of bytes
- TCP Slave: Port can be specified, if not specified will use the default value

## 2.2.5 Reset Button

If any chance you forgot the login password or have incorrect settings making this Device inoperable, upon the power is on and the "SYS" LED light on, use a point tip to press this button and hold it for more than 20 seconds the release the point tip. The Device will reboot and all the parameters will be reset to the factory default.

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## Documents / Resources

<div>MG8322 Modbus Gateway</div> <div>User's Manual</div> <div></div> <div></div>	<div><a href="#">MaxLong MG8322 Modbus Gateway</a> [pdf] User Manual</div> <div>MG8322 Modbus Gateway, MG8322, Modbus Gateway, Gateway</div>
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References

- [home - MaxLong Technology Co., Ltd.](#)
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- [User Manual](#)