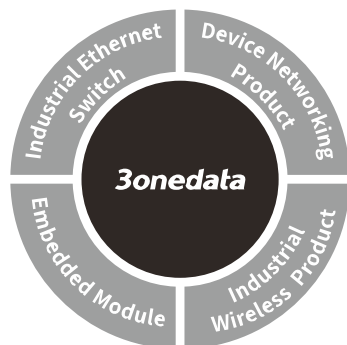


# GW1101-1DI(3IN1)-DB-P(12-48VDC) Modbus Gateway Quick Installation Guide



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## 【Package Checklist】

Please check whether the package and accessories are intact while using the device for the first time.

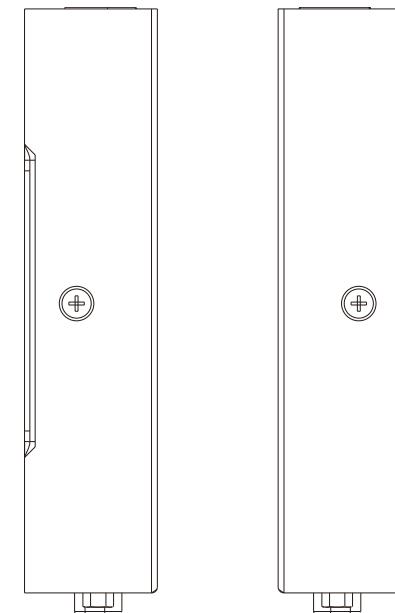
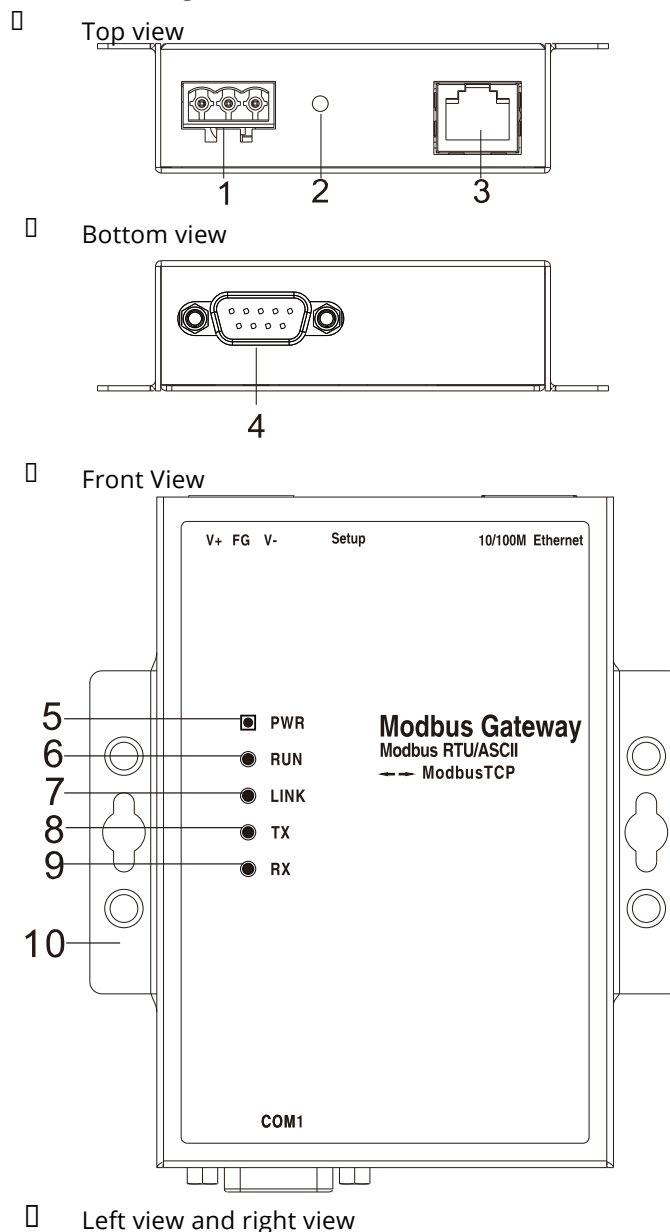
1. Modbus gateway × 1
2. Power adapter
3. Straight-through cable
4. Certification
- 5 Warranty card

If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

## 【Product Overview】

The product is managed wall-mounted industrial Modbus gateway. The model is GW1101-1DI(3IN1)-DB-P(12-48VDC) (1 3IN1 serial port with isolation + 1 100M copper port + 1 12~48VDC power supply ).

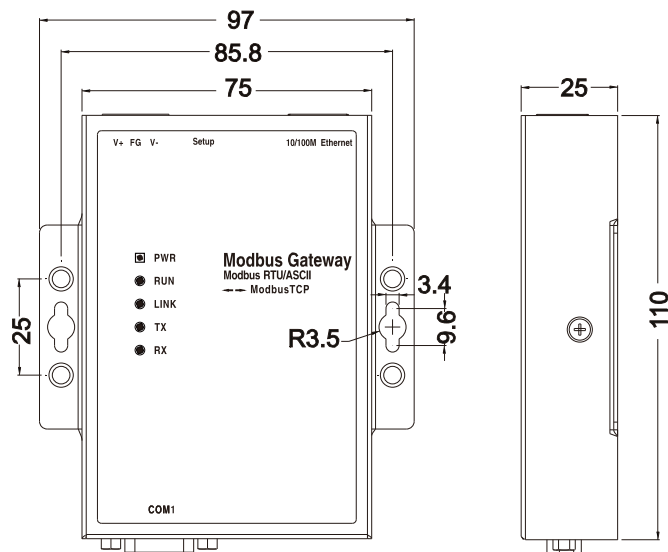
## 【Panel Design】



1. Terminal block for power input
2. Reset button
3. 100M copper port
4. RS-232/485/422 3IN1 serial port
5. Power supply indicator PWR
6. Running indicator RUN
7. Copper port indicator LINK
8. Serial port transmitting indicator
9. Serial port receiving indicator
10. Lug

## 【Mounting Dimension】

Unit: mm

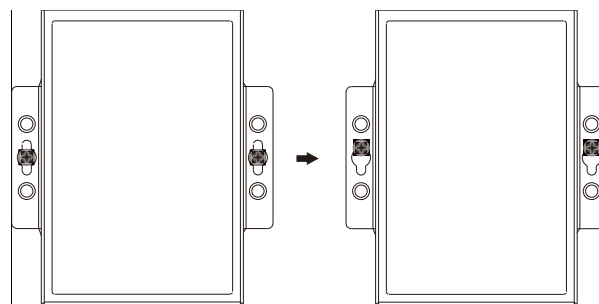


#### Notice Before Mounting:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

#### 【Wall-mounted Device Mounting】

- Step 1 On the wall of device mounting, place the device on the wall for reference or refer to the mounting dimension to mark two screw positions.
- Step 2 Nail M4 screws on the wall and keep 2mm interspace reserved.
- Step 3 Hang the device on two screws and slide downward, then tighten the screw to enhance stability, mounting ends.



#### 【Wall-mounted Device Disassembling】

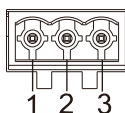
- Step 1 Device power off.
- Step 2 Unscrew the screw on the wall about 2mm.
- Step 3 Lift the device upward slightly; take out the device, disassembling ends.



#### Notice before power on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.
- Power OFF operation: first unpin the power plug, then remove the power line, please note the operation order above.

#### 【Power Supply Connection】



This device provides 1 DC power supply which is 3-pin 5.08mm pitch terminal block, the power supply supports non-polarity. Power supply range: 12~48VDC. The pin definitions of the terminals are

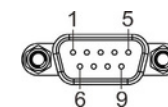
shown as follows:

| PIN        | 1  | 2  | 3  |
|------------|----|----|----|
| Definition | V+ | FG | V- |

#### 【Reset Button Setting】

This device provides 1 reset button, press the button for 4-5s then release it to restore factory defaults.

#### 【Serial Port Connection】



This device provides 1 3IN1 serial port, which supports RS232, RS485 and RS422 at the same time. The interface type is DB9

male and its pin definitions are as follows:

| PIN | RS-232 | RS-422 | RS-485 |
|-----|--------|--------|--------|
| 1   | -      | T+     | D+     |
| 2   | RXD    | T-     | D-     |
| 3   | TXD    | R+     | -      |
| 4   | DTR    | R-     | -      |
| 5   | GND    | GND    | GND    |
| 6   | DSR    | -      | -      |
| 7   | RTS    | -      | -      |
| 8   | CTS    | -      | -      |
| 9   | -      | -      | -      |

#### 【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the detailed status of each LED is described in the table as below:

| LED  | Indicate | Description                                               |
|------|----------|-----------------------------------------------------------|
| PWR  | ON       | PWR is connected and running normally                     |
|      | OFF      | PWR is disconnected and running abnormally                |
| RUN  | ON       | The device is powered on or the device is abnormal.       |
|      | OFF      | The device is powered off or the device is abnormal.      |
|      | Blinking | Blink once per second, device is running normally.        |
| LINK | ON       | Copper port has established an active network connection. |
|      | Blinking | Copper port is in a network activity                      |

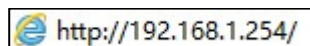
|    |          |                                                                    |
|----|----------|--------------------------------------------------------------------|
|    |          | state.                                                             |
|    | OFF      | Copper port has not established an active network connection.      |
| TX | OFF      | No data or abnormal data is being transmitted through serial port. |
|    | Blinking | Serial port is transmitting data.                                  |
| RX | OFF      | Serial port is not receiving data or receiving data abnormally     |
|    | Blinking | Serial port is receiving data.                                     |

### 【Logging in to WEB Interface】

This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

Step 1 Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed

Step 2 Enter device's IP address in the address bar of the computer browser.



Step 3 Enter device's username and password in the login window as shown below.

Step 4 Click "OK" button to login to the WEB interface of the device.



#### Note:

- The default IP address of the device is "192.168.1.254".
- The default user name and password of the device is "admin".
- If the user name or password is lost, user can restore it to factory settings via restore button or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

### 【Specification】

| Panel                 |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| 100M Copper Port      | 10/100Base-T(X) self-adapting RJ45 port                                                                              |
| Serial Port           | RS-232/485/422 3IN1 serial port,                                                                                     |
| Indicator             | DB9 interface<br>Power indicator, network Link/Act indicator, serial port transmission and receiving data indicator, |
| Power Supply          | running indicator                                                                                                    |
| Input power supply    | 12~48VDC                                                                                                             |
| Access terminal block | 3-pin 5.08mm pitch terminal blocks                                                                                   |
| Power Consumption     |                                                                                                                      |
| No-load               | 0.9W@12VDC                                                                                                           |
| Full-load             | 1.1W@12VDC                                                                                                           |
| Working Environment   |                                                                                                                      |
| Working temperature   | -40~75°C                                                                                                             |
| Storage temperature   | -40~85°C                                                                                                             |
| Working humidity      | 5%~95%(no condensation)                                                                                              |

|                  |                    |
|------------------|--------------------|
| Protection grade | IP40 (metal shell) |
|------------------|--------------------|