

M335-W6 Industrial Cellular Router

Quick Installation Guide

Version: 1.00

Install the SIM Card

STEP 1: Before inserting or removing the SIM cards, ensure that the power has been turned off, or the power connector has been removed from the M335-W6 Cellular Router.

STEP 2: Using a screwdriver to remove the metal protective cover first, insert the SIM cards into the card slots. The cut-off edge of the SIM1 card (SIM 2) is to the left (right).

STEP 3: Push the SIM cards and lightly press them to lock into the slot.

STEP 4: Remove the SIM cards, lightly press them and they will pop out of the slot.



NOTE:

- Please use the industrial SIM cards operating from -40°C to +105°C to ensure proper cellular router operation.
- SIM loose contacts: adding a layer of tape behind the SIM might increase contact pressure for better attachment.

LED Indicators

The following table explains the LED indicators on the front panel.

| LED | Off | On | Slow | Fast | Heartbeat |
|---------------|-------------|--------------------|---------------|------------|-----------|
| SYS | Power down | Power up | N/A | N/A | N/A |
| FN | Not working | Internet connected | N/A | N/A | N/A |
| SIM1 | Not working | Connected | Connecting | Error | Reading |
| SIM2 | Not working | Connected | Connecting | Error | Reading |
| Signal | No signal | High signal | Medium signal | Low signal | N/A |
| 2.4GHz | Not working | Wi-Fi 2.4GHz on | N/A | N/A | N/A |

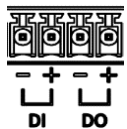
Reset Button



| Function | Operation |
|---------------------------------|---|
| Reset | Press the button for 1 second. |
| Reset to default setting | Press the button for more than 5 seconds. |

Connecting I/O Ports

There are four terminals on the terminal block, two for digital input and two for digital output.

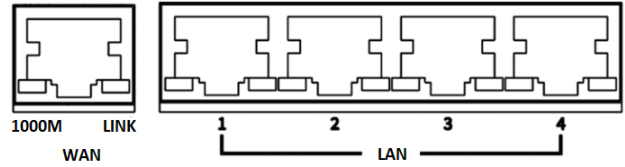


| Pin | Description |
|------|----------------|
| DI + | Digital Input |
| DI - | |
| DO + | Digital Output |
| DO - | |

DI: Low (+0 to +3V)/High (+8 to +40V)
DO: Open Collect (maximum 30V/300mA)

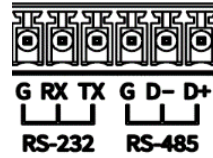
LED Indicators of Ethernet Port

There are two LED indicators for each of the four LAN ports and one WAN port.



| LED | Blinking | On | Off |
|-------|-------------------|----------|------------|
| 1000M | N/A | 1000Mbps | 10/100Mbps |
| LINK | Data Transmitting | LINK UP | LINK DOWN |

RS-232 and RS-485 pinouts

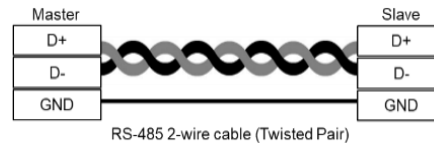


RS-232

| Pin | Signal | Direction |
|-----|---------------|-----------|
| TX | Transmit Data | Output |
| RX | Receive Data | Input |
| G | Signal Ground | - |

RS-485

| Pin | Description |
|-----|-----------------------------|
| D + | Serial Port, Data+ (A) wire |
| D - | Serial Port, Data- (B) wire |
| G | Signal Ground |



DIP Switch



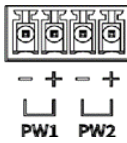
| DIP Switch | Mode | ON | OFF |
|------------|------|---|-------------------------|
| 1 | BS- | Enabled (D-) 1K ohm Pull Low | Disabled (D-) Pull Low |
| 2 | BS+ | Enabled (D+) 1K ohm Pull High | Disabled (D+) Pull High |
| 3 | TRM | Enabled 120-ohm Termination between (D+) and (D-) | Disabled Termination |

NOTE:

- (D+), (D-) stands for RS-485 pinouts.
- BS-, BS+ must be in the same ON/OFF position.

Connecting the Power Supply

Powering the M335-W6 Cellular Router is by either a terminal block or a DC jack.



+, - pins of the terminal block (PW1, PW2) on the right panel. The power input voltage range is 12~24 VDC.

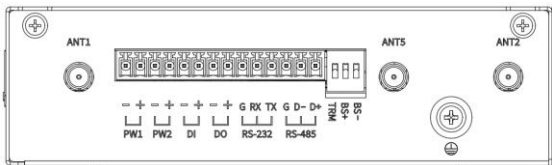


One DC Jack is on the front panel.
The power input voltage is 12 VDC, 1A.

Antenna Installation

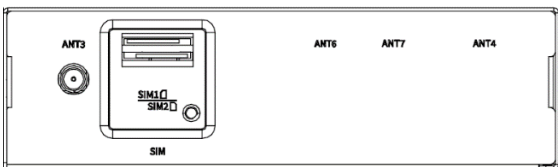
Three SMA connectors placed on the right panel are for connecting to external 4G LTE antennas.

- ANT1: For LTE Transmit and Receive.
- ANT2: For optional LTE Receive for better downstream speed.
- ANT5: for Passive GPS antenna.



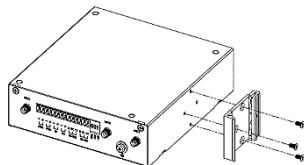
One RP-SMA connectors placed on the left panel is for connecting to external Wi-Fi antenna.

- ANT3: For Wi-Fi 2.4GHz.



DIN-rail Mounting

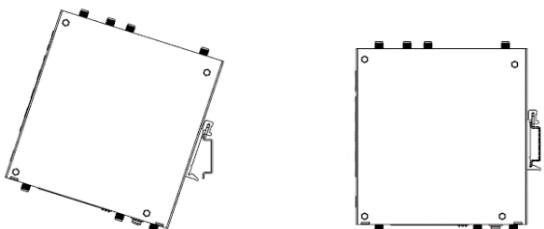
STEP 1: Use the screws to install the DIN-rail kit to attach at the rear side of the device.



NOTE:
▪ Three screw types are flat head M3 x 5 mm.

STEP 2: Hook the unit onto the DIN-rail.

STEP 3: Push the bottom of the unit towards the DIN-rail until it locks in place.

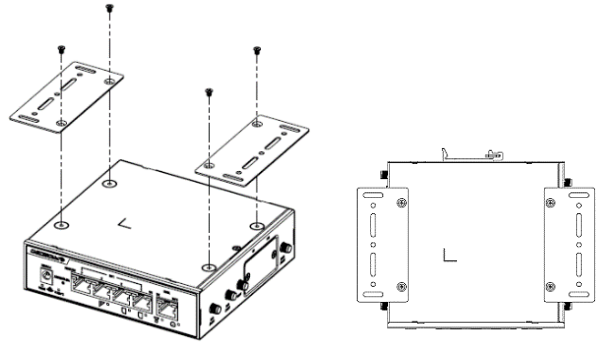


Wall Mounting

STEP 1: At the bottom side of the device, use two screws to install each bracket.

NOTE:
▪ Each screw type is flat head M3 x 4 mm.

STEP 2: Use the screws to attach the bracket of the device for wall mounting.



NOTE:
▪ These screws are not included in the package. The head of each screw is less than 7 mm in diameter, the shaft is less than 3 mm in diameter, and the length is less than 10 mm in diameter.

Setup

(1) Access the Web Configurator

- a. Type the default URL **http://192.168.1.1** in your web browser.
- b. In the login page, enter the default username **root** and the default password **2wsx#EDC** and then click the **Login** button.

(2) Change Password

Go to the **Management -> Administration** and enter the desired **New Password**, and then scroll down the page and click the **Apply** button.

Wi-Fi Connection

(1) SSID

The default SSID is led by the model name, followed by a string of characters (the MAC address of the device), and ended by 24G. For example, the SSID of M335-W6 is M335-W6-xxxxxxxxxxx-24G.

(2) Password

- a. The default Wi-Fi password is 12345678.
- b. Go to **WiFi -> WiFi Config** and change the default SSID and password, then click **Apply** button

NOTE

- Please scan below QR Code to download online resources.

Download link: <https://www.proscend.com/en/product/M335.html>



M335 Series