

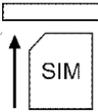
# M352-5G Industrial Cellular Router

## Quick Installation Guide

Version: 1.00

### Install the SIM Card

- STEP 1:** Before inserting or removing the SIM card, ensure that the power has been turned off, or the power connector has been removed from the M352-5G Cellular Router.
- STEP 2:** Using a screwdriver to remove the metal protective cover first, insert the SIM card into the card slot. The cut-off edge of the SIM card on the SIM slot is to the left.
- STEP 3:** Push the SIM card and lightly press it to lock into the slot.
- STEP 4:** Remove the SIM card, lightly press it and it will pop out of the slot.



#### NOTE:

- Please use the industrial SIM card 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
<b>SYS</b>	Power down	Power up	N/A	N/A	N/A
<b>SIM</b>	Not working	Connected	Connecting	Error	Reading
<b>Signal</b>	No signal	High signal	Medium signal	Low signal	N/A

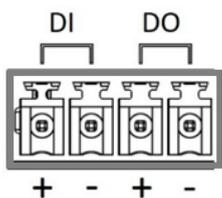
### Reset Button



Function	Operation
<b>Reset</b>	Press the button for 1 second.
<b>Reset to default setting</b>	Press the button for more than 5 seconds.

### Connecting I/O Ports

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

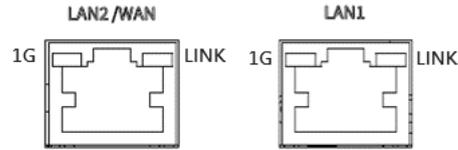


Pin	Description
<b>DI +</b>	Digital Input
<b>DI -</b>	
<b>DO +</b>	Digital Output
<b>DO -</b>	

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

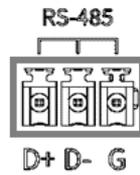
### LED Indicators of Ethernet Port

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

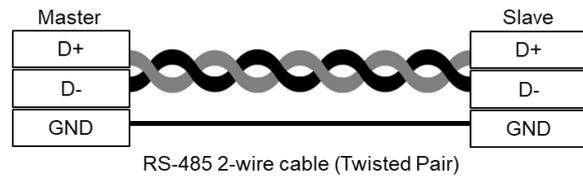


LED	Blinking	On	Off
1G	N/A	1000Mbps	10/100Mbps
LINK	Data Transmitting	LINK UP	LINK DOWN

### RS-485 pinouts



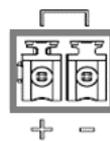
Pin	Description
<b>D +</b>	Serial Port, Data+ (A) wire
<b>D -</b>	Serial Port, Data- (B) wire
<b>G</b>	Signal Ground



### Connecting the Power Supply

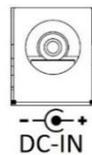
Powering the M352-5G Cellular Router is by either a terminal block or a DC jack.

#### PW1



One terminal block is on the front panel.

The power input voltage range is 10~ 26 VDC.



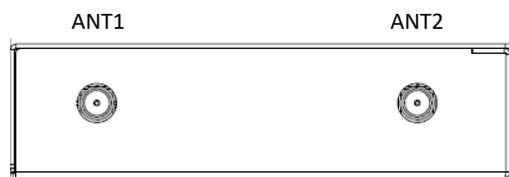
One DC Jack is on the front panel.

The power input voltage is 12 VDC.

### Antenna Installation

Two SMA connectors placed on the right panel are for connecting to external 5G antennas.

ANT1 and ANT2: for 5G/4G Transmit and Receive.

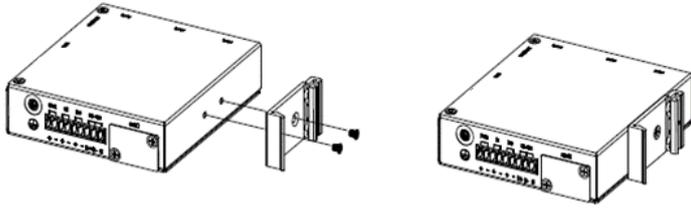


## DIN-rail Mounting

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

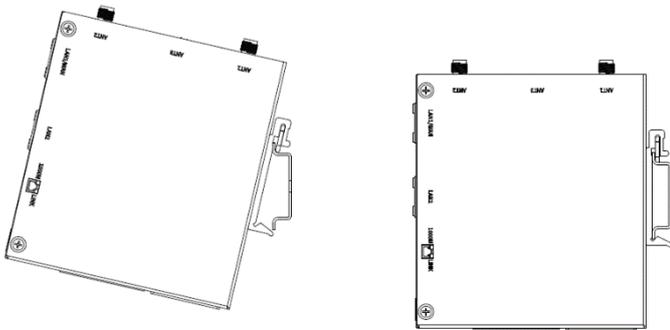
**NOTE:**

- 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.

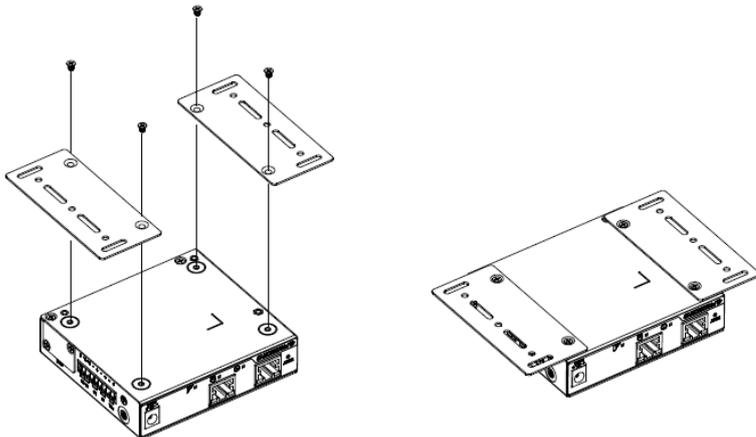
**NOTE:**

- 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

- Type the default URL <http://192.168.1.1> in your web browser.
- 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.

#### NOTE

- Please scan below QR Code to download online resources.

Download link: <https://www.proscend.com/en/product/M352.html>



M352