



# PROSCEND M331 Industrial Cellular Router Installation Guide

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## PROSCEND M331 Industrial Cellular Router



## Quick Installation Guide

### 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 M331 Cellular Router.

**STEP 2:**

Using a screwdriver to remove the metal protective cover first, insert the SIM card into the card slots. The cut off edge of the SIM card on upper SIM slot 1 (lower SIM slot 2) is to the left (right).

**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.



**LED Indicators**

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

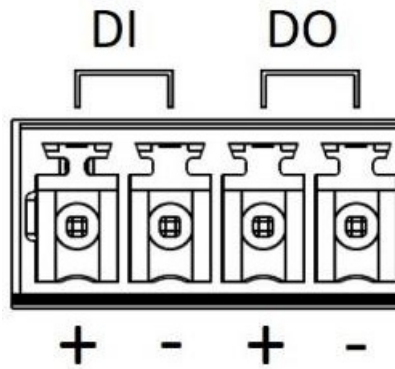
LED	Off	On	Slow	Fast	Heartbeat
SYS 	Power down	Power up	N/A	N/A	N/A
SIM 	Not working	Connected	Connecting	Error	Reading
Signal 	No signal	High signal	Medium signal	Low signal	N/A

**Reset Button**

Function	Operation
Reset	Press the button for 1 seconds.
Reset to default setting	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.

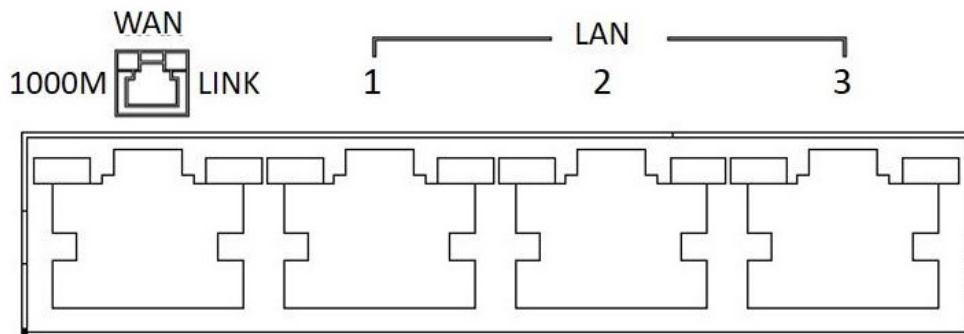


Pin	Description
DI +	Digital Input
DI -	
DO +	Digital Output
DO -	

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

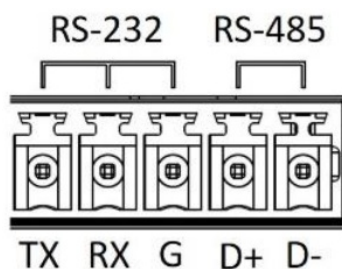
#### LED Indicators of Ethernet Port

There are two LED indicators for each of three 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



**Note**

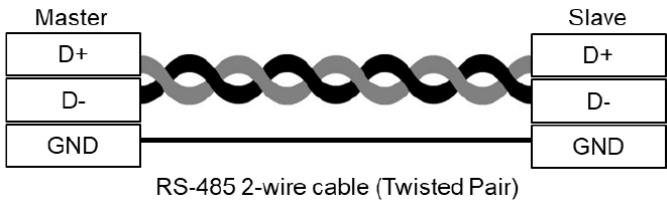
- RS-232 and RS-485 share the common ground pin “G”.

**RS-232**

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

**RS-485**

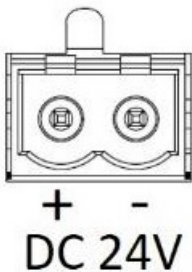
Pin	Description
D +	Serial Port, Data+ (A) wire
D –	Serial Port, Data- (B) wire
G	Signal Ground



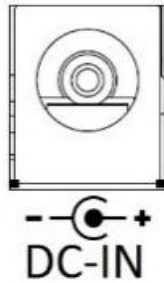
**Connecting the Power Supply**

Powering the M331 Cellular Router is by either a terminal block or a DC jack.

One terminal block is on the front panel.  
The power input voltage range is 8 ~ 26 VDC.



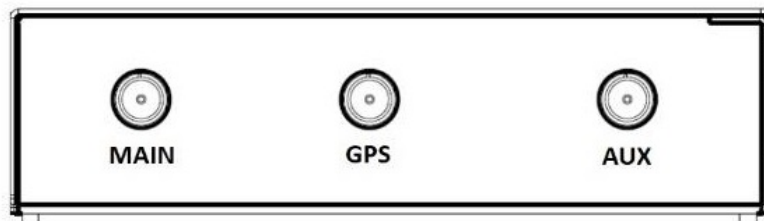
One DC Jack is on the front panel.  
The power input voltage is 12 VDC.



## Antenna Installation

Three SMA connectors placed on the left panel are for connecting to external LTE and GPS antennas.

- **MAIN:** for LTE Transmit and Receive
- **AUX:** for optional LTE Receive for better downstream speed
- **GPS:** for GPS

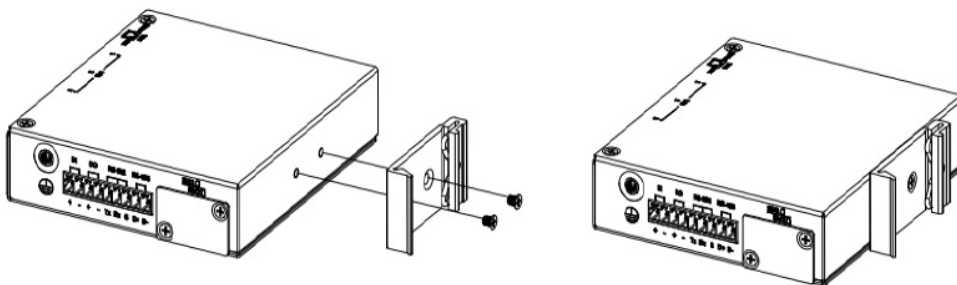


## DIN-rail Mounting

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

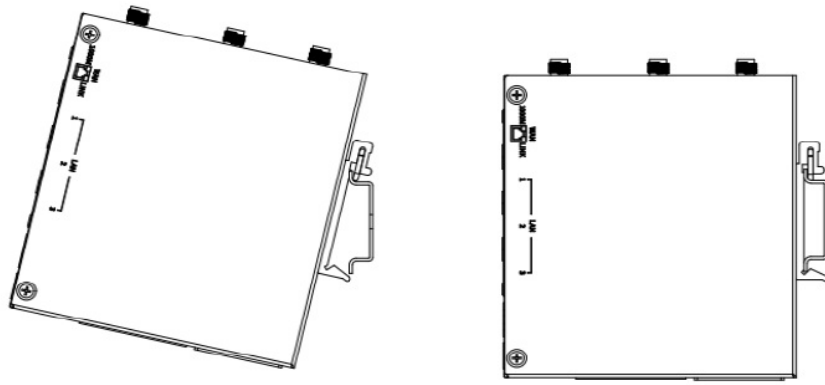
### Note

- Three screw types are flat head M3 x 4 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.

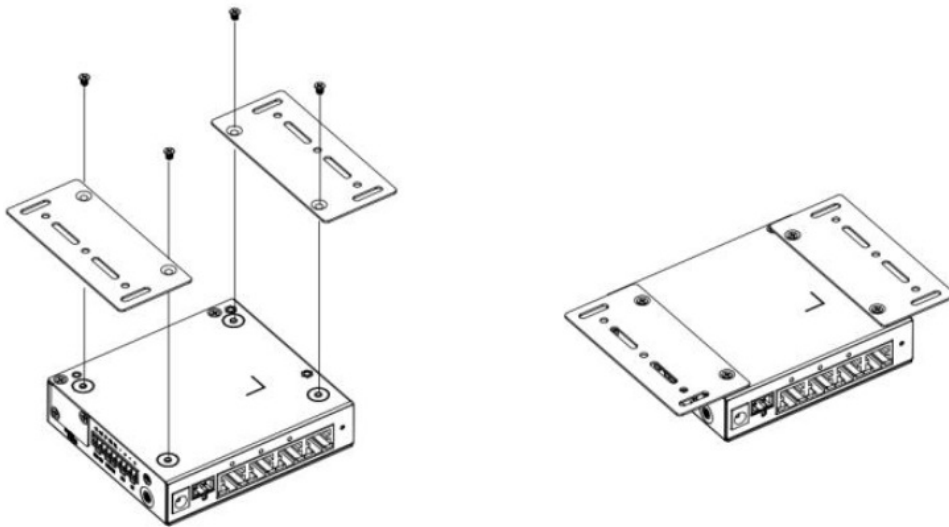
### Note

Each screw type is flat head M3 x 6 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

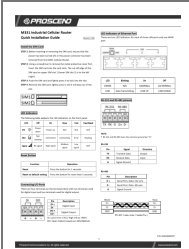
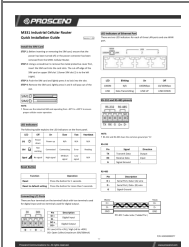
Go to Management -> Administration and enter the desired New Password and then scroll down the page and click the Apply button.

Note

- Please scan below QR Code to download online resources. Download link:  
<https://www.proscend.com/en/product/M331.html>

[www.proscend.com](http://www.proscend.com)

Documents / Resources

	<p><a href="#">PROSCEND M331 Industrial Cellular Router</a> [pdf] Installation Guide M331, Industrial Cellular Router, M331 Industrial Cellular Router, Cellular Router, Router</p>
	<p><a href="#">PROSCEND M331 Industrial Cellular Router</a> [pdf] Installation Guide M331 Industrial Cellular Router, M331, Industrial Cellular Router, Cellular Router, Router</p>

References

- [Industrial 4G LTE Dual SIM Cellular Router - High quality Industrial 4G LTE Dual SIM Cellular Router manufacturer from Taiwan | Proscend Communications Inc.](#)