

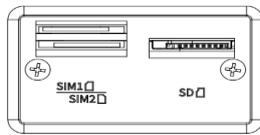
M357-5G Industrial Cellular Router

Quick Installation Guide

Version: 1.01

Install the SIM Card

- STEP 1:** Before inserting or removing the SIM and SD cards, ensure that the power has been turned off, or the power connector has been removed from the M357-5G Cellular Router.
- STEP 2:** Using a screwdriver to remove the metal protective cover first, insert the SIM and SD cards into the card slots. The cut-off edge of the SD and SIM1 cards (SIM 2) is to the left (right).
- STEP 3:** Push the SIM and SD cards and lightly press them to lock into the slot.
- STEP 4:** Remove the SIM and SD cards, lightly press them and they will pop out of the slot.



NOTE:

- Please use the industrial SIM and SD 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	Booting	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
*5GHz	Not working	Wi-Fi 5GHz on	N/A	N/A	N/A

NOTE:

" * " Applicable for Wi-Fi edition only.

WPS and Reset Button

WPS/RESET

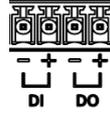
Function	Operation
*WPS Processing	TBD
Reset	Press the button for less than 5 seconds.
Reset to default setting	Press the button for more than 5 seconds.

NOTE:

" * " Applicable for Wi-Fi edition only.

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.

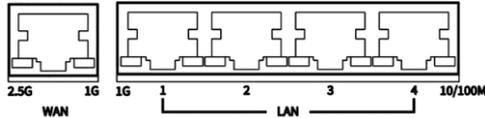


Pin	Description
DI +	Digital Input
DI -	
DO +	Digital Output
DO -	

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

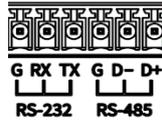
LED Indicators of Ethernet Port

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



LED	Blinking	On	Off
2.5G	Data Transmitting	2.5G LINK UP	LINK DOWN
1G	Data Transmitting	1G LINK UP	LINK DOWN
10/100M	Data Transmitting	10/100M LINK UP	LINK DOWN

RS-232 and RS-485 pinouts

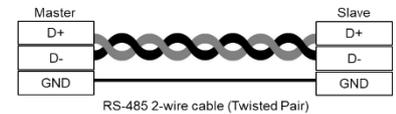


RS-232

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



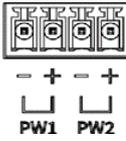
DIP Switch	Mode	ON	OFF
1	BS-	Enabled (D-) 1K ohm Pull Low	Disabled (D-) Pull Low
2	BS+	Enabled (D+) 1K ohm Pull High	Disabled (D+) Pull High
3	TRM	Enabled 120-ohm Termination between (D+) and (D-)	Disabled Termination

NOTE:

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

Connecting the Power Supply

Powering the M357-5G Cellular Router is by either terminal block or a DC jack.



+, - pins of the terminal block (PW1, PW2) on the right panel. The power input voltage range is 10~24 VDC.



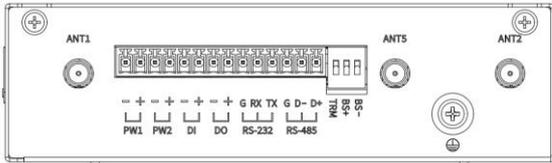
One DC Jack is on the front panel.
The power input voltage is 12 VDC, 2A.

Antenna Installation

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

ANT2: for 5G Transmit and Receive.

ANT1 and ANT5: for optional 5G Receive for better downstream speed.

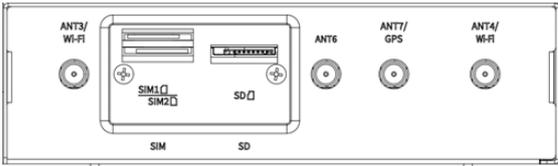


Two SMA and two RP-SMA connectors placed on the left panel are for connecting to external 5G, GPS, and Wi-Fi.

ANT6: for 5G Transmit and Receive.

ANT7: for GPS.

*ANT3 and ANT4: for Wi-Fi.



NOTE:

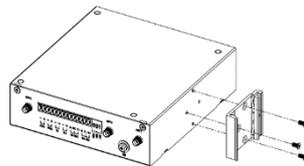
" * " Applicable for Wi-Fi edition only.

DIN-rail Mounting

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

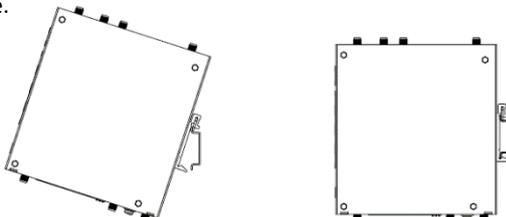
NOTE:

▪ 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.



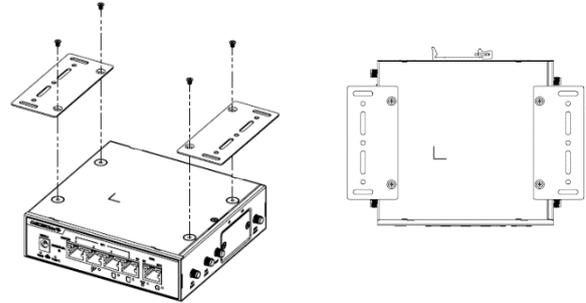
Wall Mounting

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 the Password

Go to the **System-> Administration** and enter the desired **New Password** and then click the **Save** button.

NOTE

▪ Please scan below QR Code to download online resources.

Download link: <https://www.proscend.com/en/product/M357-5G.html>



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