

### WHAT'S IN THE BOX

- 1 x BEC MX-200 M2M Router
  - 1 x This Quick Install Guide
  - 1 x CD containing the User Manual
  - 1 x DIN Rail Mounting Kit
  - 1 x Power Terminal Block 2-Pin 3.5mm
  - 1 x Power Cable with 2-Pin Terminal Block
  - 1 x DC Power Adaptor, 12V 1.2A
- (Optional)
- 3G/4G Antennas
  - Active GPS Antenna

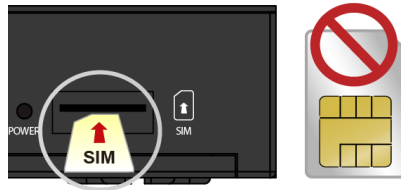
### Quick Install Guide



### SETTING UP THE ROUTER

#### 1 Insert the SIM card

Slide the SIM card (2FF) with the metal contacts (gold plate) facing down to the SIM slot then push it all the way in until you hear the clicking sound.



#### 2 Connect the Serial (RS-232)

Use a RS-232 (DB-9) male serial adaptor to connect with industrial equipment – including PLC, SCADA, Sensor, Meters, and Motor.



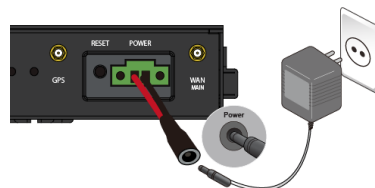
#### 3 Attach the Antennas

Remove the plastic dust caps from the antenna connectors. Screw the antennas until fully attached to the female connectors of the Cellular and/or GPS Modules.

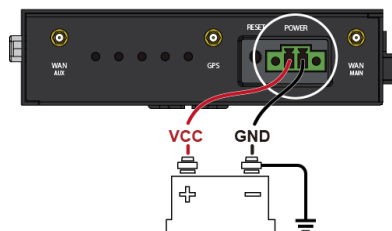


#### 4 Connect to Power Source

1.1 Attach the power cable with 2-pin terminal block to the MX-200 and plug in the supplied power adaptor



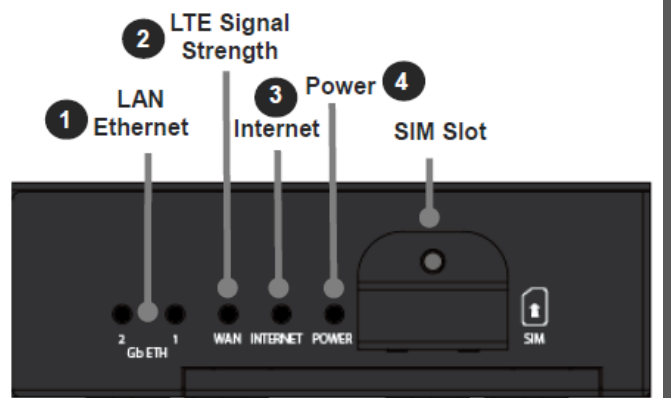
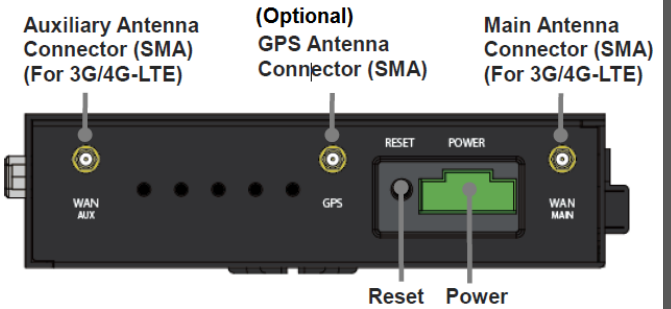
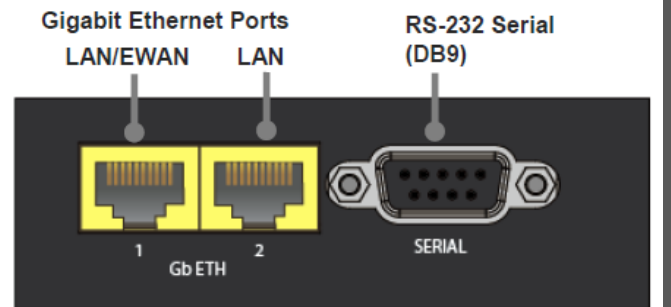
1.2 Attach the power terminal block (TB) to the MX-200 and connect the wire leads of the power supply cable to the TB plug. The red wire (power/VCC) should connect to the positive terminal and black wire to the ground (GND) of the power supply. Input voltage range is from 9-56V



#### 5 Connect to the MX-200

Access to the MX-200 Web interface by entering <http://192.168.1.254> in the address bar of the web browser.  
 Default Login Information: Username (**admin**) and Password (**admin**).  
 The Quick Start Wizard provides key steps to get the MX-200 on the Internet.

### DEVICE OVERVIEW & LEDS



- 1 **LAN** - Green: Connected to a Gigabit (1000Mbps) device.  
 Orange: Connected to a 10/100Mbps device  
 Blinking: Data being transmitted / received
- 2 **LTE Signal Strength** – Green: RSSI > -69dBm. Excellent  
 Green / Fast Flashing: -69 > RSSI > -81dBm. Good.  
 Red / Fast Flashing: -81 > RSSI > -99dBm. Fair.  
 Red / Slow Flashing: -99dBm > RSSI. Poor  
 Red: No Cellular signal. Cellular module still in service  
 Off: No Cellular module or module failure
- 3 **Internet** - Green: IP traffic via WAN  
 Red: WAN IP request failed  
 Off: No WAN connection or in Bridge mode
- 4 **Power** - Green: System ready. Red: Boot failure

## DIN RAIL MOUNTING

**KIT CONTAINS:** DIN Rail Clip and Six (6) Clip Mounting Screws

The DIN Rail mounting kit is designed to securely attach and clip the MX-200 onto a TS35 or standard 35mm top hat (EN 50022/BS 5584) DIN rail in the horizontal position.

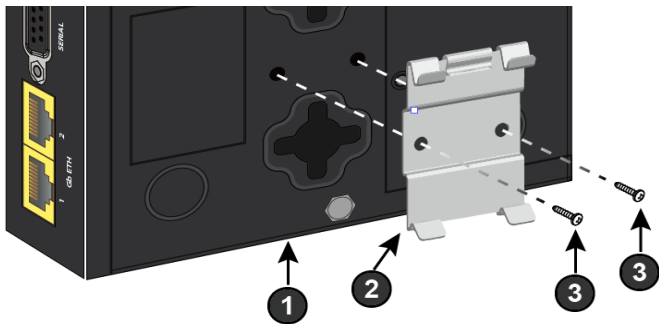
Two (2) mounting locations to mount the DIN rail clip on the surface of MX-200, back or rear side.

Please follow the steps to complete DIN rail mounting installation.

### ATTACHING TO A DIN RAIL

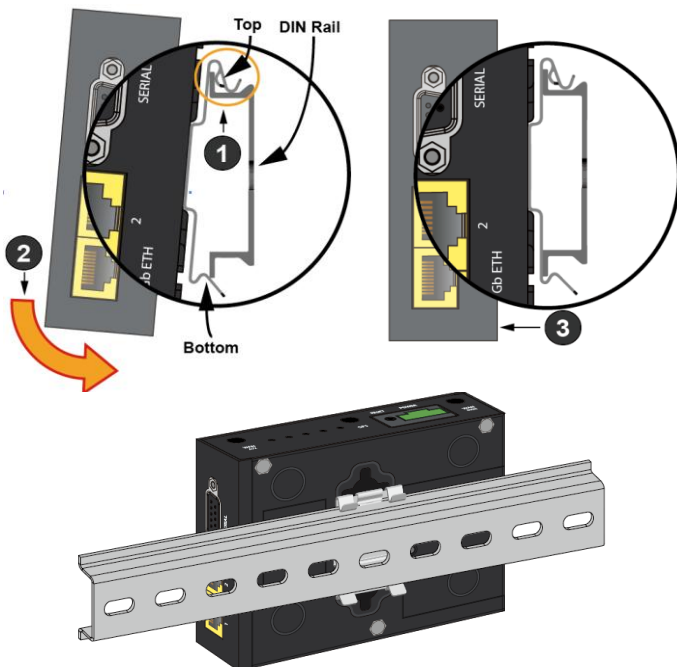
- I** Attach and fasten the DIN rail clip (known as clip) to the back or rear side of the MX-200 using two (2) clip mounting screws included in this mounting kit.

1.MX-200 2.DIN rail clip 3.Mounting Screws



- II** Clip and secure the MX-200 onto a DIN rail.

1. Hook the top of the clip onto the top edge of the DIN rail. Make sure the clip is firmly against the rail.
2. Push down the bottom of the MX-200 to snap it onto the lower edge of the DIN rail.
3. The MX-200 is now mounted on the DIN rail.

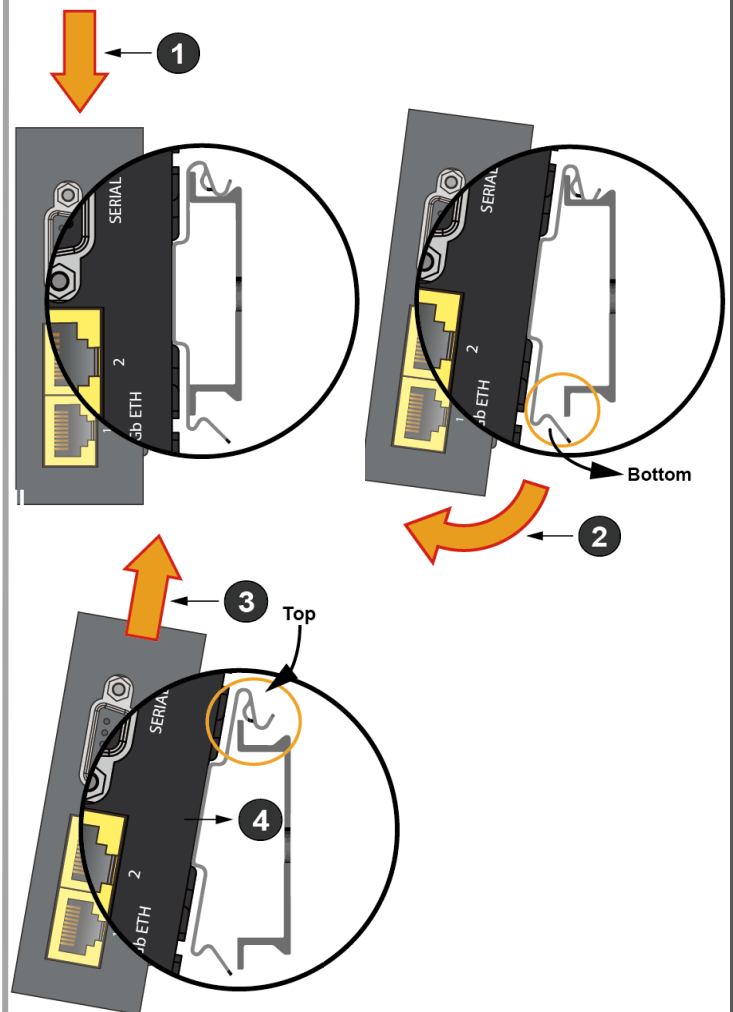


**SUPPORT:** Visit us at [www.bectechnologies.net](http://www.bectechnologies.net).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

### REMOVING FROM A DIN RAIL

- I** Remove MX-200 from a DIN rail.
- 1-2. Push down the MX-200 to free the bottom of the clip from the DIN rail.
  3. Unhook the top of the clip and pull the MX-200 away from the DIN rail



### MOUNTING POSITIONS

- I** Install clip in either vertical or horizontal position

