

## Installing the Cellular Modem

1. Connect the suitable antenna to the antenna connector (**CELL**).
2. To connect to the serial interface on the cellular modem (serial version only):
  - Connect the DE-9 connector (9-pin) of an RS-232 cable to the **RS-232** connector on the cellular modem.
  - Connect the other end to the serial port on your computer or other desired device.
  - Screw on the power lead from the power supply module into the power connection on the cellular modem.
  - Plug the power supply into your power source.
3. To connect to the USB interface on the cellular modem (USB version only):
  - Connect the mini-USB connector end of the cable to the **USB** connector on the cellular modem.
  - Connect the other end of the USB cable to your computer, either directly or through a hub.
4. After power is applied:
  - The **POWER LED** lights after the device powers up.
  - When the **LS LED** begins to blink, the device is registered.

## Mounting Device

1. Locate the groove on the bottom of the cellular modem.
2. Slide the mounting rod through the groove.
3. To secure the rod to the desired surface, place and tighten two screws in the holes on either end of the mounting rod.

Refer to the user guide for an illustration of the mounting rod, as well as the dimensions for placement of the screws.

## Dual Firmware for Cellular Radio

This device uses a cellular radio with dual firmware meaning the device can connect to two different carrier networks (not simultaneously). The device can operate on either Verizon or AT&T/other networks. The device is configured for AT&T/others by default.

**To check that your device is configured for the desired network:**

AT#FWSWITCH?

If response is: #FWSWITCH: 0 The device is configured for AT&T/other networks.

If response is: #FWSWITCH: 1 The device is configured for Verizon.

**To switch carrier networks:**

From AT&T to Verizon:

AT#FWSWITCH=1,1

From Verizon to AT&T:

AT#FWSWITCH=0,1

## MultiConnect® Cell 100 Series Cellular Modem (MTC-MNA1)

**Document Part Number:** 82103800L

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## MultiConnect® Cell 100 Series Cellular Modem (MTC-MNA1) Quick Start



## Overview

The MultiConnect® Cell 100 Series Cellular Modem for Cat M1 (MTC-MNA1) provides secure data communication between many types of devices that use legacy and the latest communication technologies.

**Note:** Check for an updated version of this document at <http://www.multitech.com/brands/multiconnect-cell-100-series>

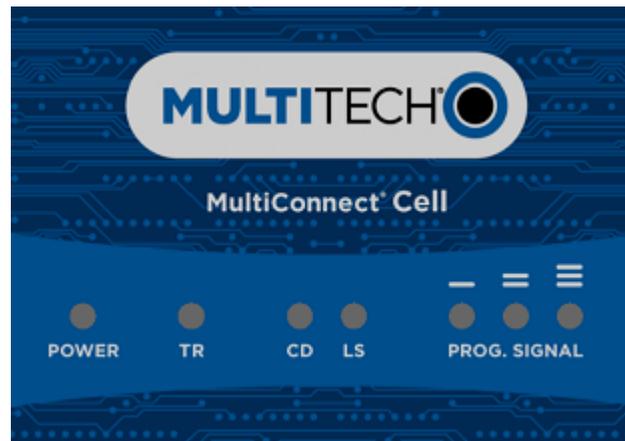
## Package Contents

Your MultiConnect® Cell 100 Series Cellular Modem (MTC-MNA1) typically includes the following (varies with model):

Power Supply	1 - 9 VDC power supply with removable blade, 1 - NAM blade/plug (serial units)
Cables	1 - Power cable from power supply (serial units) or USB cable (USB units)
Antennas	1 - LTE external antenna, CELL
Documents	1 - Quick Start Guide, 1 - Warranty Plans, 1 - Activation, Support & Regulatory Information
Other Items	1 - Mounting rod, 4 - Clear adhesive bumpers or mounting feet
Device	1- MultiConnect® Cell 100 Series Cellular Modem (Cat M1)

## Additional Information

For more information on your device, refer to the appropriate user guide: <http://www.multitech.com/brands/multiconnect-cell-100-series>

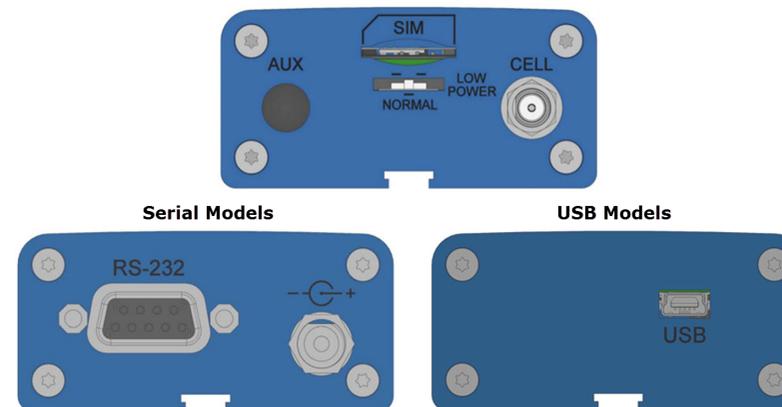


## LED Descriptions

The top panel contains the following LEDs:

- **Power and Terminal Ready LEDs** - The Power LED indicates that DC power is present. The TR LED (serial model only) when lit indicates that unit is ready to receive data.
- **Modem LEDs** - Two modem LEDs indicate carrier detection (CD LED for serial models only) and link status (LS LED).
- **Programmable Signal LEDs** - Three signal LEDs can be programmed to display the signal strength level of the wireless connection.

## Side Panel Connectors



The device has connectors on both sides with the right side (top image) the same for all models.

The right side includes:

- **CELL** cellular female SMA connector
- **SIM** card slot
- Power-saving switch (serial models only)

The left side includes:

- 7-32 VDC power connector
- **RS-232** (DE 9-pin, female-D) connector (serial models only)
- USB connector (USB models only)

## Dimensions

The MTC is 4.169 inches x 3.00 inches x 1.163 inches

## Installing a SIM Card



If you want to operate the modem on a particular cellular network, install a mini-SIM card (2FF form factor).

To install the mini-SIM card:

1. Locate the mini-SIM card slot on the side of the cellular modem. The slot is labeled SIM.
2. Push the mini-SIM card into the slot until it snaps into place.

## Regulatory Information

### 47 CFR Part 15 Regulation Class B Devices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. Refer to the Activation, Support, and Regulatory Information insert for specific FCC compliance language.

For additional regulatory information, see the device user guide or go to the device page on [www.multitech.com](http://www.multitech.com)