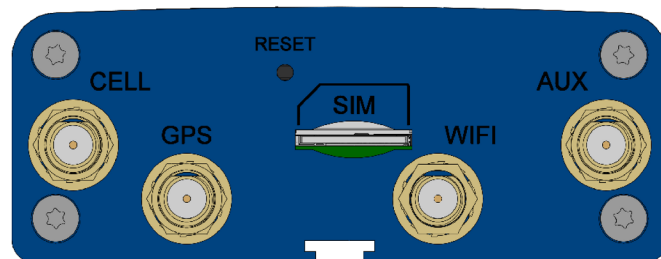


## Right Side Panel for LNA7



## Side Panels

The device has connectors on both sides of the housing.

The right side of the device contains a reset button, Wi-Fi, GPS and Cellular connectors. Depending on the model, the GPS and the Wi-Fi connectors may or may not be present.

The left side of the device includes an RS-232 connector, an Ethernet connector, and the power receptacle.

## Installing the Device

- To use the device's cellular features, connect the suitable antenna to the **CELL** connector and the **AUX** connector.
- Using an Ethernet cable, connect one end of the cable to the **E-NET** connector on the back of the device and the other end to your computer, either directly or through a switch or hub.
- If you are connecting to a serial interface, connect the DE-9 connector (9-pin) of the RS-232 cable to the **RS-232** connector on the device. Then connect the other end to the serial port on the desired device.
- Some devices support the use of a GPS receiver (varies with model). If you are using a GPS receiver with the device, attach the GPS cable to the **GPS** connector on the device.

- Some models support the use of WiFi or Bluetooth. If you are using WiFi or Bluetooth with the device, attach the WiFi/Bluetooth antenna to the **WIFI** connector on the device.
- Screw on the power lead from the power supply module into the power connection on the device. Plug the power supply into your power source.
  - The **POWER LED** lights after the device powers up.
  - When the **STATUS LED** begins to blink, the device is ready for use.
- You can configure your device by using your device's web management interface. You might need to change the IP address of your computer to be in the same IP and subnet mask range as the device.
  - Open a web browser. In the browser's address field, type the default address for the device: **http://192.168.2.1**. (If the browser displays a message about a problem with the security certificate, ignore and click **Continue**).
  - When logging in for the first time, the device enters commissioning mode requiring a username and password for an admin user account. Enter and submit your desired username and password. Confirm the password.
  - Refer to the appropriate software guide for further details on first-time setup.

## Mounting the Device

- Locate the groove on the bottom of the modem.
- Slide the mounting tab through the groove.
- To secure the tab to the desired surface, place and tighten two screws in the holes on either end of the mounting tab. Refer to the user guide for an illustration of the mounting tab, as well as the dimensions for placement of the screws.

## MultiConnect® rCell 100 Series Router LTE Cat 4

Part Number: 82104500L

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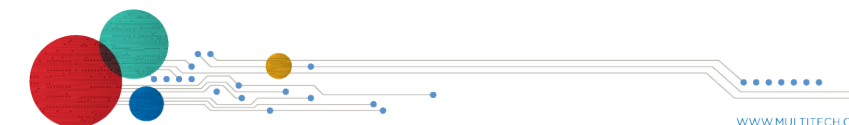
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## MultiConnect® rCell 100 Series Router LTE Cat 4 MTR-LNA7 Quick Start



## Overview

The MultiConnect® rCell 100 Series Router LTE Cat 4 provides secure data communication between many types of devices that use legacy and the latest communication technologies.

## Package Contents

Your MultiConnect® rCell 100 Series Router LTE Cat 4 typically includes the following (varies with model):

Power Supply	1 - 9 VDC power supply with removable blades, 1 - NAM blade/plug.
Cables	1 - Ethernet cable with RJ-45 connector, 1 - Power cable from power supply
Antennas	2 - CELL, AUX LTE external antennas, 1- Wi-Fi/Bluetooth antenna (B10 models), 1 - GPS antenna (B10 models)
Documents	1 - Quick Start Guide, 1 - Warranty Plans, 1 - Activation, Support & Regulatory Information
Other Items	1 - Mounting tab, 4 - Clear adhesive bumpers or mounting feet
Device	1- MultiConnect® rCell 100 Series Router LTE Cat 4 4.169" x 3.00" x 1.163" Blue enclosure includes: <ul style="list-style-type: none"> <li>■ 7-32 VDC power connector</li> <li>■ <b>RS-232</b> (DE 9-pin, female-D) connector</li> <li>■ <b>E-NET</b> RJ-45 receptacle for standard Ethernet 10/100 Base-T</li> <li>■ <b>WIFI</b> Wi-Fi/Bluetooth SMA connector</li> <li>■ <b>GPS</b> GPS female SMA connector</li> <li>■ <b>CELL</b> Cellular female SMA connector</li> <li>■ <b>AUX</b> Cellular female SMA connector</li> </ul>

## 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Additional Information

For the latest information on your device including operation, regulatory, and safety topics, refer to the appropriate user guide online:

<http://www.multitech.com/brands/multiconnect-rcell-100-series>



## LED Descriptions

The top panel contains the following LEDs:

- **Power and Status LEDs** - The Power LED indicates that DC power is present and the Status LED blinks when the unit is functioning normally.
- **Modem LEDs** - Two modem LEDs indicate carrier detection and link status.
- **Signal LEDs** - Three signal LEDs display the signal strength level of the wireless connection.
- **Ethernet LEDs** - These LEDs are not on the top panel. The two Ethernet LEDs are physically on the RJ-45 connector.
  - **Ethernet Link LED** - Located on the right on the Ethernet connector. This LED blinks when there is transmit and receive activity and is steady when there is a valid Ethernet connection.
  - **Ethernet Speed LED** - Located on the left on the Ethernet connector. When lit the Ethernet is linked at 100Mbps. If it is not lit, the Ethernet is linked at 10 Mbps.

## Installing a SIM Card

If you want to operate the device on a particular network, install a micro (3FF) SIM card. MultiTech recommends using a SIM card rated for industrial use.

To install the SIM:

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

