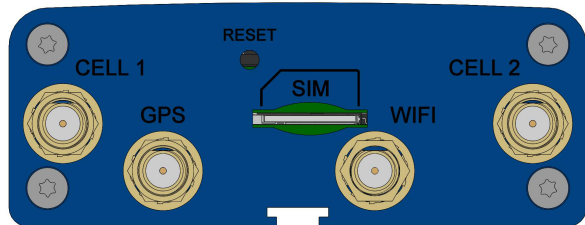


Right Side Panel (varies with model)



Side Panel Connectors

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 antenna connectors. Depending on the model, the GPS and the WiFi 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

1. To use the device's cellular features, connect the suitable antenna to the **CELL 1** connector and the **CELL 2** connector.
2. Using an Ethernet cable, connect one end of the cable to the **E-NET** connector on the side of the device and the other end to your computer, either directly or through a switch or hub.
3. If you are connecting to a serial interface, connect the DE-9 connector 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.
4. 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.

Quick Start

5. 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.
6. 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.
7. 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.
 - a. 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**).
 - b. 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.
 - c. Refer to the appropriate software guide for further details on first-time setup.

Mounting the Device

1. Locate the groove on the bottom of the modem.
2. Slide the mounting tab through the groove.
3. 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.

Quick Start

MultiConnect® rCell 100 Series Router LTE Cat 4 (MTR-LNA7, LEU7, L4G1)

Part Number: 82131100L

Copyright and Trademarks

This publication may not be reproduced, in whole or in part, without the specific and express prior written permission signed by an executive officer of Multi-Tech Systems, Inc. All rights reserved. Copyright © 2021 by Multi-Tech Systems, Inc.

Multi-Tech Systems, Inc. makes no representations or warranties, whether express, implied or by estoppels, with respect to the content, information, material and recommendations herein and specifically disclaims any implied warranties of merchantability, fitness for any particular purpose and non-infringement. Multi-Tech Systems, Inc. reserves the right to revise this publication without obligation to notify any person or organization of such revisions or changes.

MultiConnect, MultiTech and the MultiTech logo are registered trademarks of Multi-Tech Systems, Inc. All other brand and product names are trademarks or registered trademarks of their respective companies.

Multi-Tech Systems, Inc

2205 Woodale Drive,
Mounds View, Minnesota 55112 U.S.A.

Phone: 763-785-3500 or 800-328-9717

Fax: 763-785-9874

Support

Support Portal

<https://support.multitech.com>

Europe, Middle East, Africa:

support@multitech.co.uk

+(44) 118 959 7774



Knowledge Base

<http://www.multitech.com/kb.go>

U.S., Canada, all others:

support@multitech.com

(800) 972-2439 or (763) 717-5863

Business Hours: M-F, 8am to 5pm CT

Quick Start



MultiConnect® rCell 100 Series Router LTE Cat 4 MTR-LNA7, LEU7, L4G1 Quick Start



Overview

The MultiConnect® rCell 100 Series Router LTE Cat 4 (MTR-LNA7, LEU7, L4G1) 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/EU/UK/AU/NZ blade/plug.
Cables	1 - Ethernet cable with RJ-45 connector, 1 - Power cable from power supply
Antennas	2 - LTE external antennas (CELL 1, CELL 2), 1- Wi-Fi/Bluetooth antenna (B10 models), 1 - GPS antenna (B10 models)
Documents	1 - Quick Start Guide, 1 - Warranty Plans, 1 - Legal and Support Information
Other Items	1 - Mounting tab, 4 - Clear adhesive bumpers or mounting feet
Device	1- MultiConnect® rCell 100 Series Router LTE Cat 4 4.171" x 3.00" x 1.163" Blue enclosure includes: <ul style="list-style-type: none">7-32 VDC power connectorRS-232 (DE 9-pin, female-D) connectorE-NET RJ-45 receptacle for standard Ethernet 10/100 Base-TWIFI Wi-Fi/Bluetooth SMA connectorGPS GPS female SMA connectorCELL 1 Cellular female SMA connectorCELL 2 Cellular female SMA connector

47 CFR Part 15 Regulation Class B Devices (LNA7, L4G1)

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.

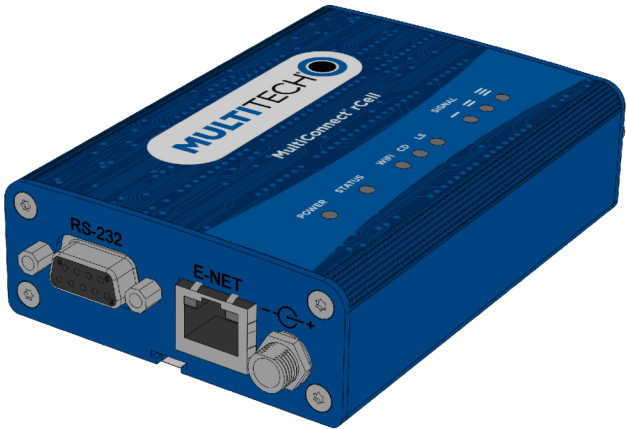
EMC, Safety, and Radio Equipment Directive (RED) (LEU7, L4G1)

MultiTech declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The declaration of conformity may be requested at <https://support.multitech.com>.

Additional Information

For the latest information on your device including software, operation, regulatory, and safety topics, refer to the appropriate manual: <http://www.multitech.com/brands/multiconnect-rcell-100-series>

- For -HZ models only, see guides for safety information:
- <https://www.multitech.com/documents/publications/hardware-guides/S000754-MTR-LNA7-HZ-HW-Guide.pdf>
 - <https://www.multitech.com/documents/publications/hardware-guides/S000753-MTR-LEU7-HZ-HW-Guide.pdf>



LED Descriptions

The top panel contains the following LEDs:

- Power and Status LEDs** - Power LED indicates DC power is present and Status LED blinks when unit is functioning normally.
- Modem LEDs** - Two modem LEDs indicate carrier detection/link status.
- Wi-Fi LED** - Indicates if device is serving as Wi-Fi access point or Wi-Fi client. Varies with model.
- Signal LEDs** - Three signal LEDs display signal strength level of wireless connection.

- Ethernet LEDs** - Instead of top panel, two Ethernet LEDs are on RJ-45 connector.
- Ethernet Link LED** - Located on the right on the Ethernet connector. LED blinks when there is transmit/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 the SIM Card

To operate the device on a particular network, install a micro (3FF) SIM card. We recommend using a SIM card rated for industrial use.

To install the SIM:

- Locate the SIM card slot labeled SIM on the side of the device.
- Push the SIM card into the slot until it snaps into place.

