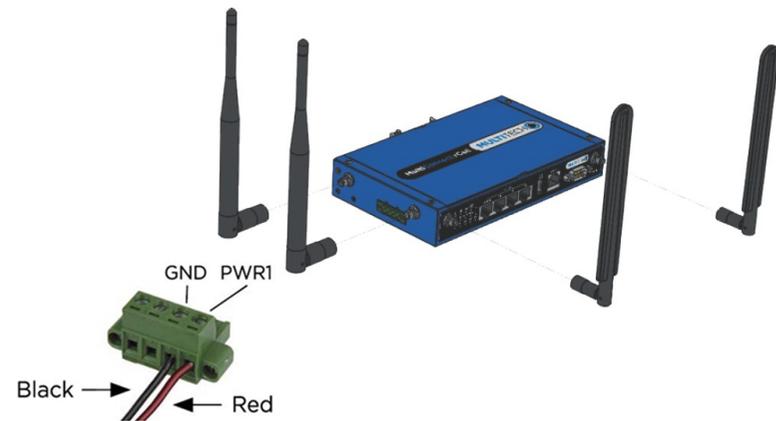


## Attaching Cables, Antennas, and Power



1. Attach 4G antennas to the device's front panel by screwing them into the designated connectors.

**Note:** The MTR5-L12G2-B04.R2 has cellular 4G antennas located on the right side panel.

2. Attach Wi-Fi antennas to the device's side panel by screwing them into the designated connectors.
3. Attach cables to their corresponding ports on the device's front panel.

**Note:** During configuration, use ports E2 to E4 only. DO NOT attach Ethernet cable to E1/WAN port.

4. Attach the red wire on the power cable to PWR1 and the black wire to the GND for PWR1 on the power port on the device's side panel.

## Accessing the Setup Wizard

- In an Internet browser, go to <https://192.168.2.1>
- Enter admin for both the default username and password
- Change default admin password during first time setup / login
- From the menu on the left, click Wizard.
- Step through the Setup Wizard to configure the device.

## 47 CFR FCC Part 15 Regulation, Subpart B, Class B

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.

## EMC, Safety, and Radio Equipment Directive (RED) Compliance



The CE mark is affixed to this product to confirm compliance with the following European Community Directives:

Council Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment;  
and  
Council Directive 2014/53/EU on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

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 more information on your device including operation, regulatory, and safety topics, refer to the appropriate user guide:  
<http://www.multitech.com/brands/multiconnect-rCell-500-series>

## MultiConnect® rCell 500 Series R2 Router

**Part Number:** 82101201L Rev. 3

## 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 © 2023 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.

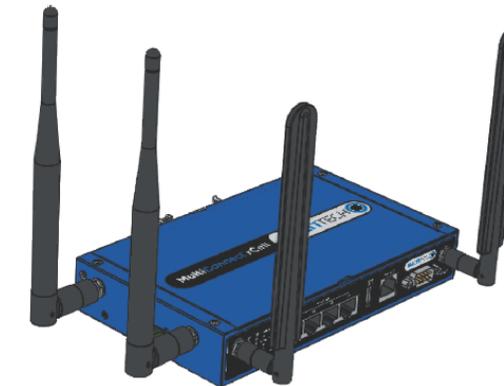
**Multi-Tech Systems, Inc.**  
2205 Woodale Drive,  
Mounds View, MN 55112 U.S.A.



**Website**                      **Support Portal**                      **Knowledge Base**  
[www.multitech.com](http://www.multitech.com)    [support.multitech.com](http://support.multitech.com)    [www.multitech.com/kb.go](http://www.multitech.com/kb.go)

**Sales:** [sales@multitech.com](mailto:sales@multitech.com)                      (763) 785-3500

**Support:** [support@multitech.com](mailto:support@multitech.com)                      (763) 717-5863



## MultiConnect® rCell 500 R2 Series Router

**MTR5-LEU2-B04.R2**  
**MTR5-L12G2-B04.R2**  
**Quick Start**

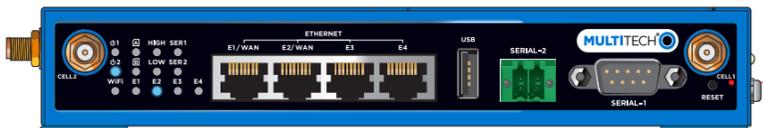


The MultiConnect® rCell 500 Series Router offers secure data communication between different types of devices, redundant power supplies, and dual SIM capability for a more reliable connection.

### Package Contents

Description	Quantity
MultiConnect rCell 500 Series Router	1
Power Adapter and Terminal Block Connector	1
Power Blade	1
Wi-Fi Antennas	2
Cellular Antennas	2
Serial Terminal Block Connector	1
Ethernet Cable	1
Mounting Brackets (Wall Mounting and DIN Rail)	3
Four Rubber Feet	4
Quick Start Guide	1

### Connectors



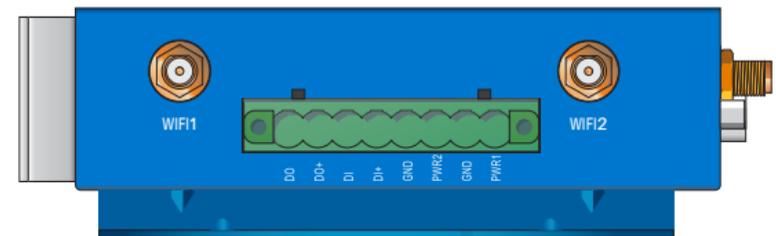
Item	Description
USB Host Port	Connect a USB drive.
Serial-2 Port	2-wires terminal block RS232 or RS485
Serial-1 Port	9 wires DB9 RS232 (DTE)
RJ-45 Ports	Connect an Ethernet cable.
Cell Antenna	Connect cellular antennas.
Wi-Fi Antenna	Connect Wi-Fi Antenna
Reset Button	Use to reset the device.

### LED Indicators

Indicator	Label	Description
Power Source 1	<b>U1</b>	<b>Continuously ON:</b> Device is powered by source 1.
Power Source 2	<b>U2</b>	<b>Continuously ON:</b> Device is powered by source 2. <b>Note:</b> If both power sources are connected, Power Source 1 is ON.
WLAN (Wi-Fi)	<b>WIFI</b>	<b>Continuously ON:</b> Wireless radio is enabled. <b>Flashing:</b> Data packets are being transferred. <b>OFF:</b> Wireless radio is disabled.
SIM A	<b>A</b>	<b>Continuously ON:</b> SIM A is in use.
SIM B	<b>B</b>	<b>Continuously ON:</b> SIM B is in use.

Indicator	Label	Description
LAN1 - LAN 4	<b>E1 - E4</b>	<b>Continuously ON:</b> Ethernet connection is established. <b>Flashing:</b> Data packets are being transferred.
High Cell Signal	<b>HIGH</b>	<b>Continuously ON:</b> Strong cellular signal strength.
Low Cell Signal	<b>LOW</b>	<b>Continuously ON:</b> Weak cellular signal strength.
Serial-1	<b>SER1</b>	<b>On/Flashing:</b> Serial-1 device is active.
Serial-2	<b>SER2</b>	<b>On/Flashing:</b> Serial-2 device is active.

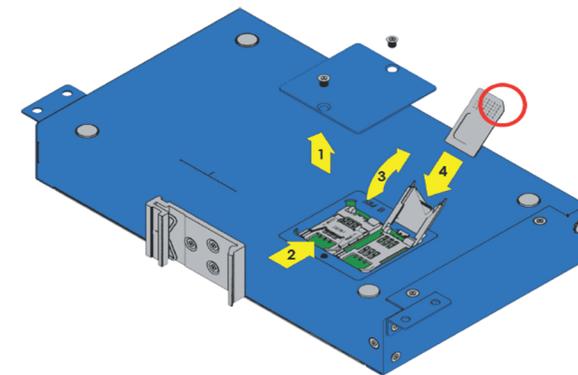
### Side Panel



Label	Description
Wi-Fi Antenna	Use to connect Wi-Fi antennas
PWR1	Power Source 1
GND	Ground for PWR1
PWR2	Power Source 2
GND	Ground for PWR2
DI+	Digital IO input +
DI	Digital IO input
DO+	Digital IO output +
DO	Digital IO output

### Installing SIM Cards

See the bottom of the device and make sure it is OFF.



1. Unscrew and remove SIM card cover.
2. Slide the SIM card socket toward the hinge to unlock.
3. Lift up SIM holder.
4. Insert SIM card, making sure the notch is lined up correctly.
5. Lay SIM holder down.
6. Slide the SIM card socket away from the hinge to lock.
7. Replace SIM card cover.