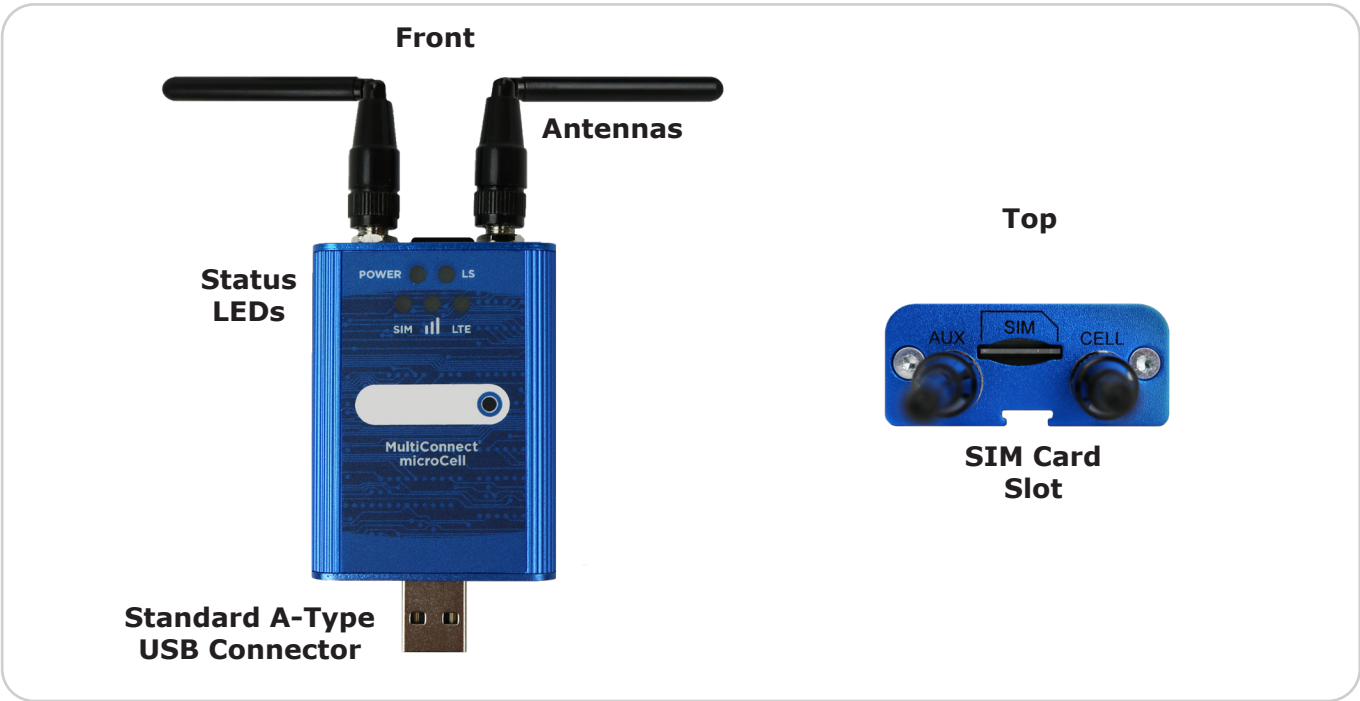


**AVTECH’s Cell Modem** allows you to send text message alerts over any LTE/GSM/GPRS/EDGE network from Room Alert Manager software. This compact 4G/3G/2G modem connects directly to Room Alert Manager’s host system by a USB 2.0 connector, which also provides power to the modem. It requires a micro SIM card (3FF), which you may obtain from your cellular service provider.

Cell Modem Package Contents

- One (1) Cell Modem with built-in USB connector
- Two (2) 50 ohm SMA antennas

Cell Modem



LEDs

Power LED



| Appearance | Means                 |
|------------|-----------------------|
| Lit solid  | Modem is powered on.  |
| Unlit      | Modem is powered off. |

Link Status LED



| Appearance      | Means  |
|-----------------|--|
| Lit solid       | Modem is not registered on the network.  |
| Flashing Slowly | Modem is registered on the network.  |
| Unlit           | Modem is off, in PSM mode, undergoing a firmware update, or SIM is not inserted. |

### SIM LED



| Appearance      | Means                |
|-----------------|----------------------|
| Lit solid       | Modem is ready.      |
| Flashing Slowly | Modem is not ready.  |
| Unlit           | SIM is not inserted. |

### Signal Strength LED



| Appearance       | Means   |
|------------------|---|
| Lit solid        | Signal is excellent.  |
| Flashing Quickly | Signal is good.   |
| Flashing Slowly  | Signal is fair.   |
| Unlit            | Signal is too low for communication or SIM is not inserted. |

### LTE LED



| Appearance       | Means                                 |
|------------------|---------------------------------------|
| Lit solid        | Modem is connected to an LTE network. |
| Flashing Quickly | Modem is connected to a 3G network.   |
| Flashing Slowly  | Modem is connected to a 2G network.   |
| Unlit            | SIM is not inserted.                  |

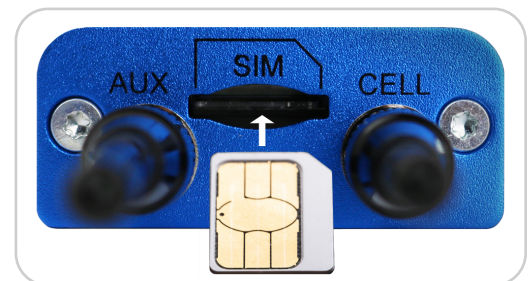
## Install Your Cell Modem



Do not use this accessory in hazardous (classified) locations or life safety applications.

### First, insert your micro SIM card.

1. Adjust the antennas so that you may access the SIM card slot (labeled SIM).
2. Push your micro SIM card into the slot with the contact-side facing up and the notch in the upper right corner.



The SIM card locks into place. To extract it later, push-in the SIM card until it ejects.

For the next steps, see [Configure Your Cell Modem](#) starting on page 4.

## Accessory Features & Specifications

|                                    |   |
|------------------------------------|---|
| <b>Supported Operating Systems</b> | Windows 10, 8, 7 (32 and 64-bit)  |
| <b>Air Interface</b>               | LTE/GSM/GPRS/EDGE   |
| <b>Mobile Connection Type</b>      | 4G/3G/2G  |
| <b>Frequency Bands</b>             |   |
| 4G                                 | B1(2100),B2(1900),B3(1800),B4(AWS1700),<br>B5(850),B7(2600),B8(900),B12/B13(700),B18(850),<br>B19(850),B20(800),B25(1900),B26(850),B28(700),TDD:<br>B38(2600),B39(1900),B40(2300),B41(2500) |
| 3G                                 | B1(2100),B2(1900),B4(AWS1700),B5(850),B6(800),<br>B8(900),B19(850)  |
| 2G                                 | B2(1900),B3(1800),B5(850),B8(900)   |
| <b>SIM Card Type</b>               | Micro   |
| Included                           | No  |
| <b>Power Supply</b>                | USB   |
| Included                           | Yes   |
| Connector Type                     | USB 2.0   |
| <b>Operating Temperature Range</b> | -40° F to 185° F (-40° C to 85° C)  |
| <b>Compatible Products</b>         | Room Alert Manager software   |

### Configure Your Cell Modem

#### Step 1: Install the modem driver on Room Alert Manager's host system.

1. Download the latest modem driver from MultiTech by going to the following URL, and selecting the link under **Downloads**. The software will download as a zip file that also contains an Installation Guide.

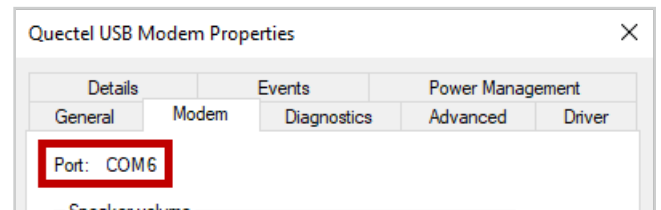
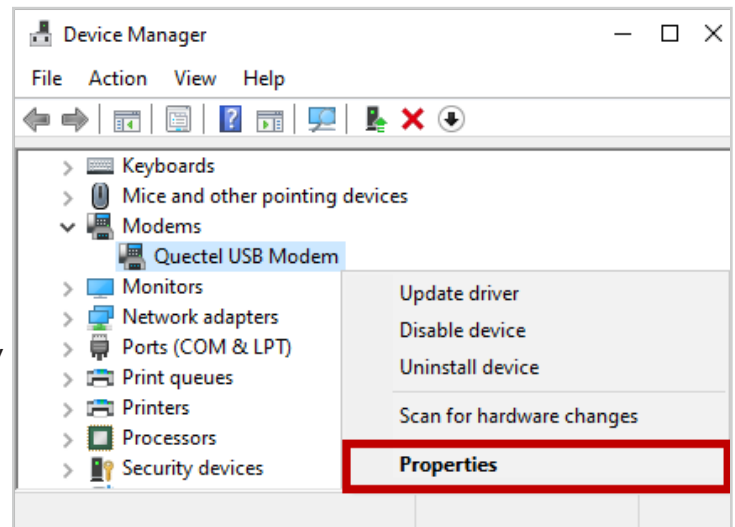
<https://multitech.com/product/multiconnect-microcell-mtcm2-l4g1d-b03-kit/>

2. Save the zip file someplace you can easily find on Room Alert Manager's host system, and then unzip the file.
3. Next, plug the modem into a USB port on Room Alert Manager's host system.
4. Then double-click the **setup.exe** file to start the setup wizard.
5. Follow the on-screen prompts to complete the installation of the drivers.

#### Step 2: Check your modem's COM port number.

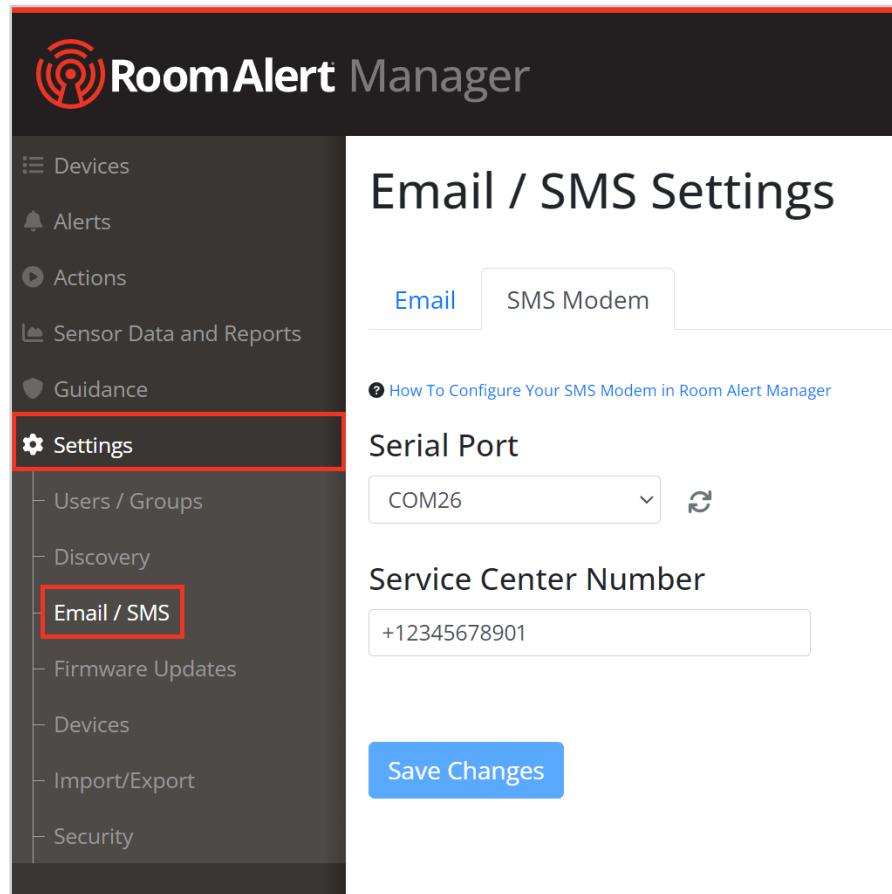
You'll need the COM port number that your modem is connected to when you configure your modem in Room Alert Manager. Follow these steps to find your modem's COM port:

1. On Room Alert Manager's host system, navigate in Windows to **Start→Control Panel→System and Security→System→Device Manager**.
2. In Windows Device Manager, double-click on **Modems** to expand the list.
3. Locate your modem, which will display as *Quectel USB Modem*.
4. Right-click on your modem.
5. In the menu that appears, select **Properties**.
6. In the *Properties* window, select the **Modem** tab.
7. You'll see 'Port: COMX,' where X is the COM port number. In this example, the COM port is COM6.



### Step 3: Configure Room Alert Manager to use your Cell Modem.

1. Open Room Alert Manager in your web browser. You may open it by entering "localhost:9393" or "<IP address of host system>:9393" in your browser's address bar.
2. Select **Settings** in the navigation bar to the left.
3. In the *Settings* menu, select **Email/SMS** and then navigate to the **SMS Modem** tab.



- a. In *Serial Port*, select the port that your modem is using on Room Alert Manager's host system. (You found this number in *Step 2: Check your modem's COM port number.*)
  - b. In *Service Center Number*, enter your cellular service provider's service center number.
5. Select **Save Changes** to save your changes.