1. Introduction

NOTE:
This Quick Deploy Guide is a general reference to give the installer an overview of the steps required to make this system operational. The Product Manual is the definitive source for detailed installation instructions and information.

For best results, update to the latest data logger operating system and version of Device Configuration Utility.

You should have received two Quick Deploy Guides with your CELL200-series module. The one you follow will depend on whether your module was configured with a private dynamic or public static IP address.

The Provisioning Report received with your Cellular Data Service shows whether the module was configured with a private dynamic or public static IP address. See FIGURE 1-1 (p. 1) for an example of a Campbell Scientific Provisioning Report. Other cellular providers should provide similar information.

USE THIS GUIDE if your module has a private dynamic IP address.

2. Campbell Scientific cellular data service

Campbell Scientific can provide subscriptions to cellular service through Verizon, AT&T, T-Mobile, Vodafone, Telstra, and over 600 other providers worldwide. When this cellular service is purchased with the module, the module will come pre-provisioned with the required SIM card and APN. If you have already purchased the CELL200 series, call Campbell Scientific to set up service.
3. Install the SIM card

**NOTE:**
If you purchased cellular service from Campbell Scientific with the module, it will come with the SIM (Subscriber Identity Module) card already installed.

1. Remove the SIM card cover.
2. Note the location of the notched corner for correct alignment. The gold contact points of the SIM face down when inserting the SIM card as shown in FIGURE 3-1. **Gently** slide the card into the slot until it stops and locks into place. To eject the SIM card, press it in slightly and release.
3. Replace the SIM card cover.

4. Konect PakBus Router setup

4.1 Get started

Open a web browser and go to www.konectgds.com.

First-time users need to create a **free account**. After you submit your information, you will receive two emails up to five minutes apart. One email will contain a Passport ID and the other your Password. If emails are not received, check your email junk folder.

You will need the Konect PakBus Router redemption code that came on a card with the Campbell Scientific cellular module.

4.2 Set up Konect PakBus Router

1. Sign in to www.konectgds.com using your Passport ID and Password found in the two received emails. Once logged in, you will be at the Welcome page.

2. Click **devices and services** on the command bar to the left and select **Redeem PakBus Router Code**. Enter your complimentary Router Code found on the included card with your cellular-enabled device and click **Submit**.

3. The next screen shows the assigned DNS address and **Port** for the router. An optional **TCP Password** may be entered for additional security, and you must select a unique **PakBus Address** for your data logger.

**TIP:** Make note of this information for use in later steps.
5. Modules using Konect PakBus Router (private dynamic IP)

5.1 Set up hardware

1. Connect the Cellular antenna.
2. Connect your data logger to the CELL200-series module RS-232 or CS I/O port.
3. If not connecting through CS I/O, provide power to the CELL200 series.

5.2 Configure data logger

1. Connect to your data logger by using Device Configuration Utility.
2. On the Datalogger tab, change the data logger PakBus Address and optional PakBus/TCP Password to match the values entered in the Konect PakBus Router setup.
3. On the Network Services tab in the PakBus/TCP Client field, enter the DNS address and Port number noted during the Konect PakBus Router setup.
4. On the PPP tab, set Config/Port Used to CS I/O SDC8 or RS-232, depending on how you are connected to the data logger.
5. (Optional) On the PPP tab, set User Name and Password if required by your cellular carrier (usually outside of the United States).
6. Verify the Modem Dial String setting is blank.
7. If connecting through RS-232, on the Comport Settings tab, set RS232 BaudRate to 115200 Fixed.
8. Shut down Device Configuration Utility and start it again. This will activate the Cellular tab needed for the next step.
9. On the Cellular tab, enter the APN provided by your cellular provider.
10. Click Apply to save the changes.

5.3 Set up LoggerNet

1. Select Add Root > IPPort.
2. Select PakBusPort and pbRouter for PakBus data loggers such as the CR1000X.
3. Add a data logger to the pbRouter.
4. Select the IPPort in the Network Map. Enter the Konect PakBus Router DNS address and port number as noted in the Konect PakBus Router setup. The DNS address and port number are input in the Internet IP Address field separated by a colon. For example, axanar.konectgds.com:pppp where pppp is the port number.
5. For PakBus data loggers, leave the default settings for the PakBusPort. PakBus Port Always Open should **not** be checked. If used, enter the TCP Password.

6. For PakBus data loggers, select the pbRouter in the Network Map and set the PakBus Address to 4070.

7. For PakBus data loggers, select the data logger in the Network Map and set the PakBus Address to match that of the data logger (default address in the data logger is 1). Click Apply to save the changes.

5.4 Test the connection

Use the Connect screen to test the connection. Click on the appropriate station and click Connect to initiate a call to the data logger.

**TIP:**

The connection time is subject to many external factors. It is often less than 30 seconds but could be up to fifteen minutes. Be patient.

If the call is successful, the connectors at the bottom of the screen will come together and clock information from the data logger will be displayed in the Station Date/Time field.