



# PQube® AC/DC Power Monitor

Embedded power quality and energy/carbon monitoring

## 3G/4G/LTE Cellular Modem

**I have a PQube, and I need network access where none is available. What should I do?**

### Use a 3G/4G/LTE cellular modem

In today's world, cell phones are ubiquitous. You can use a cellular modem to connect your PQube to the internet.

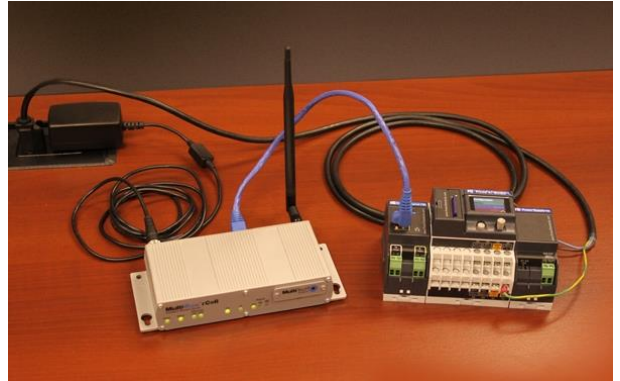
### When should I use a cellular modem?

Scenario 1: You're at a customer site, and the network administrator does not permit any new devices on her network, including your PQube.

Scenario 2: You're at a substation miles away from civilization. There's no internet access.

Scenario 3: You regularly move your PQube to new sites, and you don't want to go through the hassles of connecting to a new network at every new site.

The solution? A **3G/4G/LTE cellular modem**. If there is a cell phone signal, your PQube will send and receive data directly to and from you, even from remote locations.



### How do I set up the modem and my PQube to receive information through 3G/4G/LTE cellular modems?

- Your PQube must have an ETH1 or CTE1 module, and you must have a 3G/4G/LTE cellular modem with an Ethernet port (your PQube does not support USB and PCMCIA-based cellular modems).
- Set up your cellular modem so it connects to your cellular provider's network. You only need to do this once.
  - Install your SIM card into your cellular modem (or contact your provider if on a CDMA network).
  - Connect your PC to your cellular modem using an Ethernet cable, and log into the modem's configuration page with your web browser. If you're not sure how, please consult the modem's instruction manual.
  - Typically, you will configure the PPP settings by filling in the username, password, APN, and dial number for your modem.
  - In general, we recommend that you configure your 3G/4G/LTE router so that it does not disconnect while idling. Please consult your cellular modem's documentation for more information.
  - Depending on the specific model of your cellular modem, you may have to save the new settings then restart the modem.
- Now you are ready to treat the cellular modem as a normal router and configure the [Network\_Setup] section of your PQube's SETUP.INI file so it connects to your modem appropriately. Connect your modem to your PQube with an Ethernet cable, and test your 3G/4G/LTE connection by sending a test e-mail from your PQube



**PQube – it's worth a closer look!**

[www.powerstandards.com](http://www.powerstandards.com)

