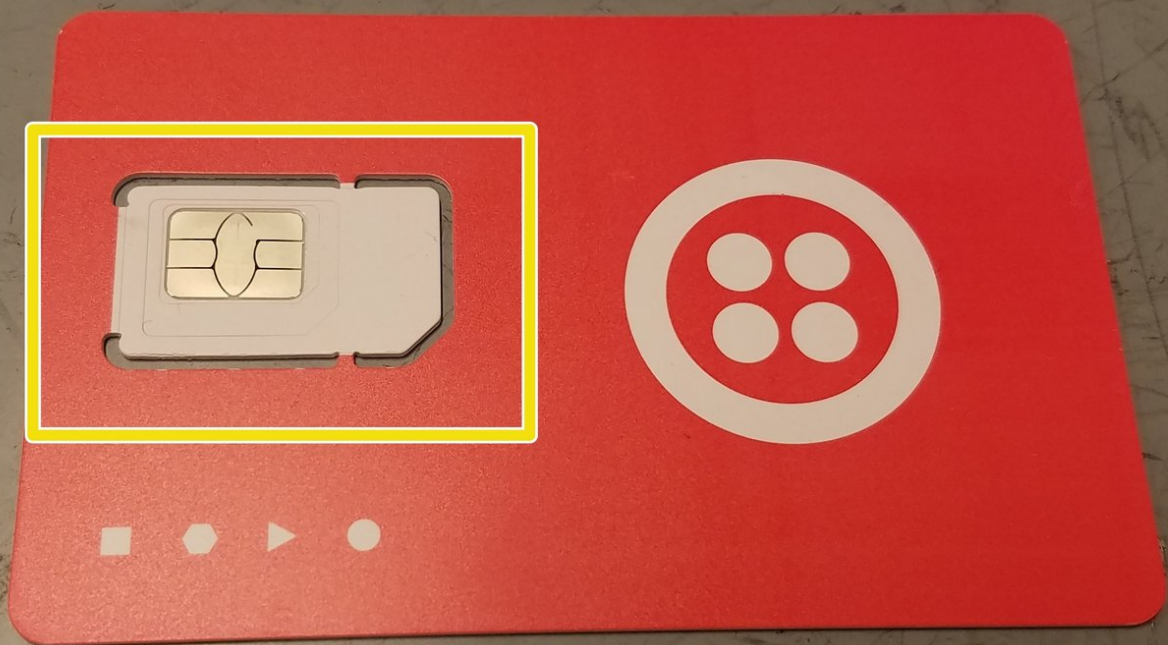




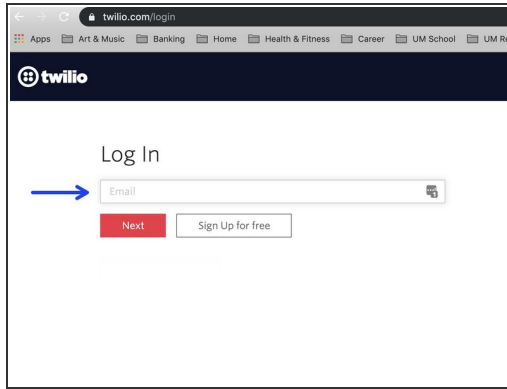
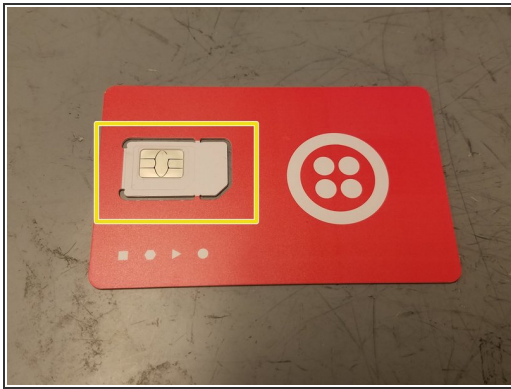
SIM Card Activation with Twilio

Follow these steps to activate a cell modem for the Open-Storm board.

Written By: Brooke Mason



Step 1 — Obtain SIM card



- Obtain a Twilio SIM card.
- Log into <http://twilio.com/console> using the lab login.
- Locate the SIM card number on the back of the card.
- ❗ SIM card number blocked out for security purposes.

Step 2 — Update Twilio account

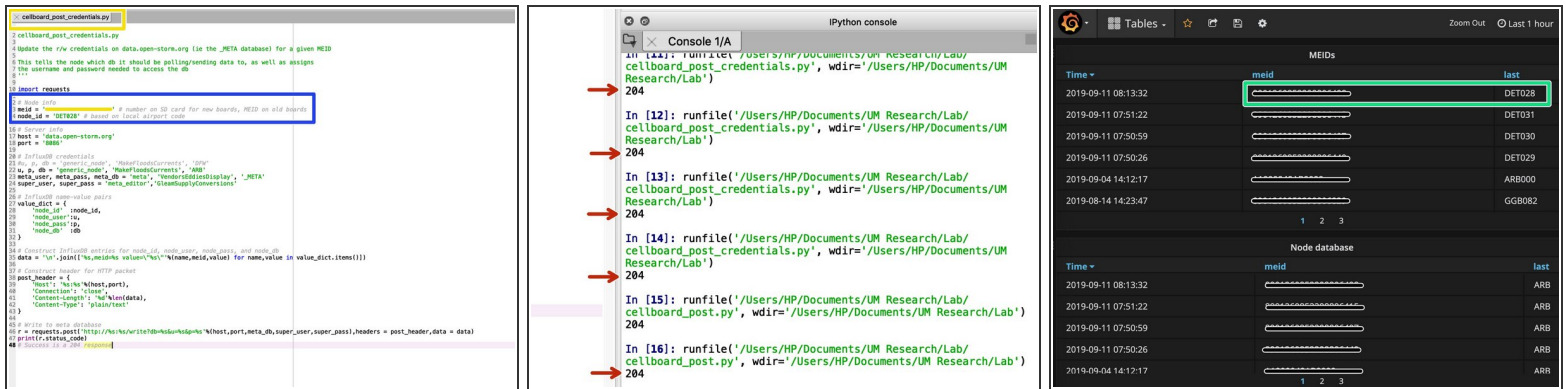
The left screenshot shows the Twilio console 'SIMs' page. A blue arrow points to the search bar. The table below lists several SIMs, including DET012, DET008, and DET022-new, all assigned to a '100 MB Rate Plan'.


UNIQUE NAME OR SID	ICCID	RATE PLAN
PTK030	[REDACTED]	100 MB Rate Plan
GG8058	[REDACTED]	100 MB Rate Plan
PTK001	[REDACTED]	100 MB Rate Plan
DET012	[REDACTED]	100 MB Rate Plan
GG8036	[REDACTED]	100 MB Rate Plan
GG8003	[REDACTED]	100 MB Rate Plan
PTK011	[REDACTED]	100 MB Rate Plan
PTK031	[REDACTED]	100 MB Rate Plan
DET008	[REDACTED]	100 MB Rate Plan
DET022-new	[REDACTED]	100 MB Rate Plan

The right screenshot shows the 'Properties' page for SIM 'DET028'. A yellow box highlights the 'UNIQUE NAME' field. A red box highlights the 'RATE PLAN' and 'STATUS' fields. The 'RATE PLAN' is set to '100 MB Rate Plan' and the 'STATUS' is 'Active'.

- Search for the SIM card number in the Twilio account (Programmable Wireless > SIMS > Search).
- Give the SIM card a unique name that is not already used (DETXXX, ARBXXX, etc.) depending on local airport cord.
- Assign it to a 100mb plan and change the status to active.
- ❗ SIM card number blocked out for security purposes.

Step 3 — Connect modem to the database



- Open the python code "cellboard_post_credentials.py" to connect the modem on the database.
- Put the SD card number for new boards and the MEID for the old boards in the "meid" section of the code.
- You will see 204 print each time you run the code in the IPython console if it correctly updated.
- Confirm the SIM ID has an associated node ID on the database.
- Now the cellular modem is ready to be connected to an Open-Storm board!
-  SIM card number blocked out for security purposes.

To reassemble your device, follow these instructions in reverse order.