

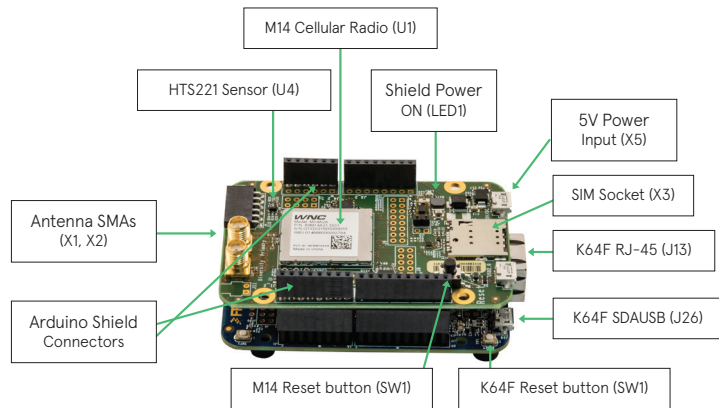
# AT&T Cellular IoT Starter Kit Quick Start Card



## INSTRUCTIONS

If you prefer more detailed step by step illustrated instructions, browse to <http://cloudconnectkits.org/att-getting-started-guide>. Log in or create an account to complete the document download.

1. Browse to <https://StarterKit.att.com>. Create a Jasper account and follow steps to activate the SIM card.
2. Plug the Avnet Cellular shield onto the Arduino connector on NXP FRDM-K64F FRDM platform.
3. Plug the supplied SIM card into the SIM socket (X3) on the shield.
4. Screw two antennas to the shield SMAs (X1, X2).
5. Plug a microUSB cable into the shield power (X5) using the provided AC/DC supply. LED1 will illuminate.
6. Plug a microUSB cable into the SDAUSB (J26) port on the NXP FRDM-K64F platform. The kit will install driver software and enumerate as a standard USB drive.
7. Windows hosts only: Direct your host web browser to: <https://developer.mbed.org/handbook/Windows-serial-configuration>
8. Follow the instructions to install the serial driver. Use the PC Device Manager to determine the COM port (mbed serial port COMnn). Open a serial terminal program (i.e. Tera Term Pro) and set communication parameters to 115200,n,8,1.
9. Update the baseboard firmware. Follow the instructions at this URL: <https://developer.mbed.org/handbook/Firmware-FRDM-K64F>
10. Browse to <http://cloudconnectkits.org/att-quickstart-binary>. Log in or create an account. Download the compressed Cellular IoT Kit binary. Unzip the file and drag and drop it to the drive representing the NXP FRDM-K64F.
11. Press the reset button on the NXP FRDM-K64F platform. Program execution can be followed on the serial console.
12. A cellular connection is established with m2m.com.attz. Sensor data is sent to the AT&T cloud to determine the board orientation. Rotate the board 90 degrees to observe color changes on the NXP large user LED.
13. To explore additional capabilities and other reference designs, visit: <http://cloudconnectkits.org/att-cellular>



## Features

### NXP K64F Freedom board

- MK64FN1M0VLL12 MCU
  - 120 MHz
  - 1 MB flash memory
  - 256 KB RAM
  - low-power, crystal-less USB
- Dual role USB interface with micro-B USB connector

- RGB LED
- FXOS8700CQ accelerometer and magnetometer
- Two user push buttons
- Ethernet
- Micro-SD slot

### AT&T IoT SIM Starter Pack

- 300 MB data
- 300 SMS messages

### Two Antennas

### Two MicroUSB Cables AT&T/WNC Cellular Shield

- LTE Modem (WNC M14A2A)
- SIM socket
- USB 2.0
- Arduino Shield connectors
- Antennas (2)
- Pmod x1
- Temp/Humidity Sensor

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