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Adafruit FONA - uFL Version Starter Pack

PRODUCT ID: 2521

9 IN STOCK

1	**ADD TO CART**

☐ **Also include 1 x GSM 2G SIM Card from Ting & Adafruit - Data/Voice/Text USA Only ()**

☐ **Also include 1 x Adafruit IO+ Subscription Pass — One Year ()**

1-9
10-99

SIM card add-on only available for USA customers

ADD TO WISHLIST

DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

Build your own cellular project and get off the grid with FONA. This pack comes with an uFL-antenna type FONA and paired with hand-picked accessories. It's the **Adafruit FONA - uFL Starter Pack**.

The FONA miniGSM is an adorable all-in-one cellular phone module that lets you add voice, text, SMS and data to your project in an adorable little package.

This module measures only 1.75"x1.25" but packs a surprising amount of technology into its little frame. At the heart is a GSM cellular module (we use the latest SIM800) the size of a postage stamp. This module can do just about everything. This starter pack has a uFL connector. For the SMA version, click here! And for the Adafruit FONA 800 uFL Shield version click here!

- Quad-band 850/900/1800/1900MHz - connect onto any global GSM network with any 2G

- Make and receive voice calls using a headset OR an external 8Ω speaker + electret microphone
- Send and receive SMS messages
- Send and receive GPRS data (TCP/IP, HTTP, etc.)
- Scan and receive FM radio broadcasts (yeah, we don't exactly know why this was included but it works really well)
- PWM/Buzzer vibrational motor control
- AT command interface with "auto baud" detection

Sounds delicious, right? So we plated this fine module onto a little breakout with all the extras you need to make your next project shine:
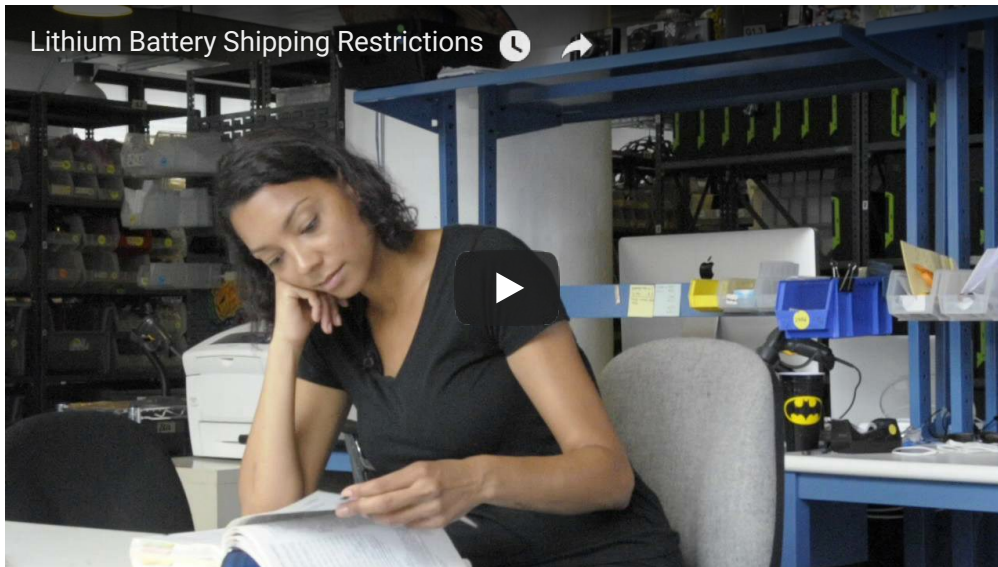
- Onboard LiPoly battery charging circuitry so you can take your project on the go. Use any 500mAh+ LiPoly or LiIon battery and recharge over the MicroUSB when necessary. Two LEDs let you know when its charging and done
- Standard 4-pole TRRS headphone jack. Use any 'Android' or 'iPhone'-compatible headset with mic
- Breakouts for external 8Ω speaker and electret mic if you don't want to use a headphone
- Level shifting circuitry so you can run it with 2.8V to 5V logic.
- Vibrational motor (buzzer) driver so you can have noiseless notifications
- uFL connections for external antenna
- Indicator LEDs for power and network connectivity
- Standard SIM slides into the back

On its own, this module can't do anything. It requires a microcontroller to drive it! We suggest and use an Arduino but any 3-5V microcontroller with a UART can send and receive commands over the RX/TX pins.

Microcontroller not included! We recommend an Arduino UNO to go along **SIM card not included!** If you are in the USA, we recommend TING

This Pack Contains:

- 1x Adafruit FONA - Mini Cellular GSM Breakout uFL Version - v1
- 1x Slim Sticker-type GSM/Cellular Quad-Band Antenna - 3dBi uFL
- 1x Lithium Ion Polymer Battery - 3.7v 1200mAh
- 1x Mini Metal Speaker w/ Wires - 8 ohm 0.5W
- 1x Wired Miniature Electret Microphone
- 1x Cell-phone TRRS Headset - Earbud Headphones w/ Microphone
- 1x Vibrating Mini Motor Disc

Lithium Battery Shipping Restrictions

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Datasheets:

- FCC TCB BT
- R&TTE Statement of Opinion
- FCC Part 15B Test Report
- FCC Part 15C Test Report
- FCC RF Test Report
- FCC TCB

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Open Sesame! A SMS-controlled door lock
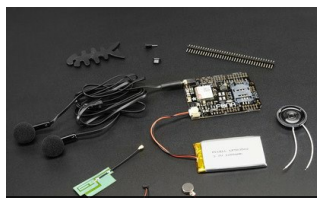Create your own SMS-controlled door lock

SMSsenger Bag
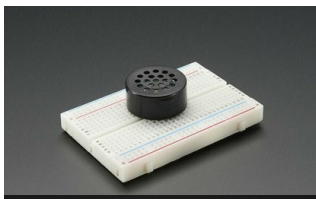SMS TXT scroller on a NeoPixel Matrix with Fona + Flora

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MAY WE ALSO SUGGEST...

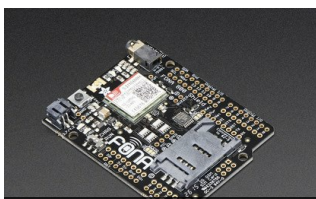|		
Adafruit FONA - Mini	Adafruit FONA 800 uFL	Adafruit FONA - Mini
Breadboard-Friendly PCB	Adafruit FONA 800	USB to TTL Serial Cable -
Adafruit FONA 800 Shield -	Adafruit FONA 3G Cellular	Adafruit FONA 3G Cellular

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"Premature optimization is the root of all evil" - Donald Knuth

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