

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:

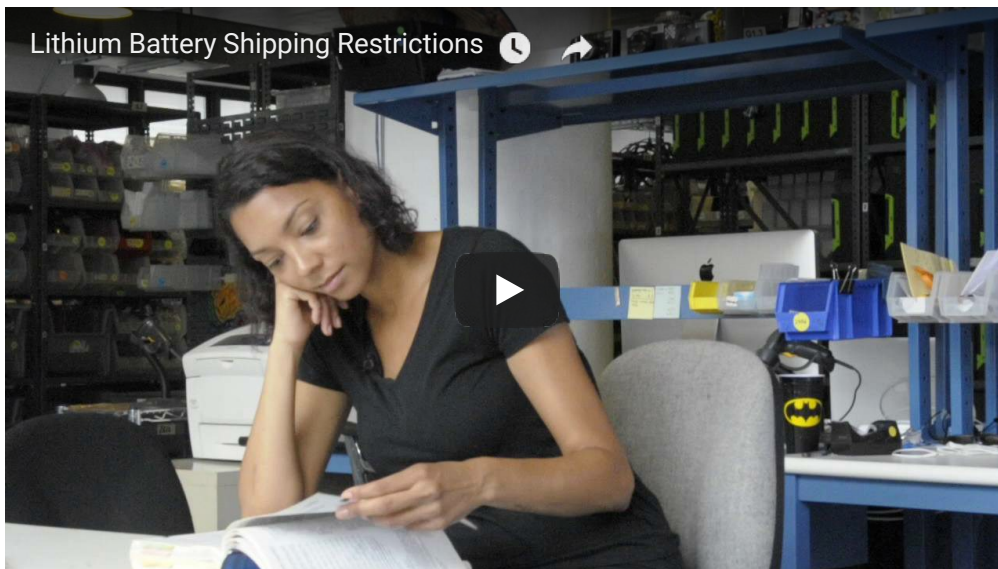
- Onboard LiPoly battery charging circuitry so you can take your project on the go. Use any [500mAh+ LiPoly or Lilon battery](#) and recharge over the MicroUSB when necessary. Two LEDs let you know when its charging and done
- Standard 4-pole TRRS headphone jack. Use any 'Android' or 'iPhone'-compatible 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](#)



TECHNICAL DETAILS

This Pack Contains:

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

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](#)

LEARN



[Open Sesame! A SMS-controlled door lock](#)
Create your own SMS-controlled door lock

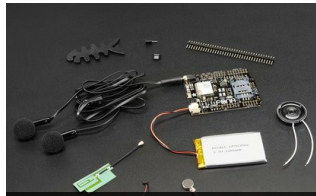


[SMSsenger Bag](#)
SMS TXT scroller on a NeoPixel Matrix with Fona + Flora

MAY WE ALSO SUGGEST...



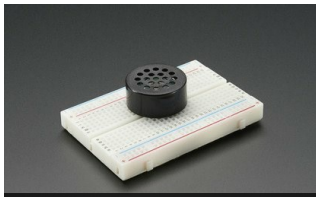
Adafruit FONA - Mini



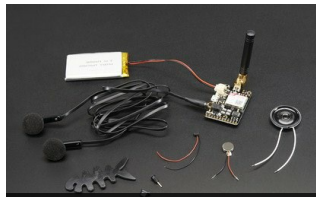
Adafruit FONA 800 uFL



Adafruit FONA - Mini



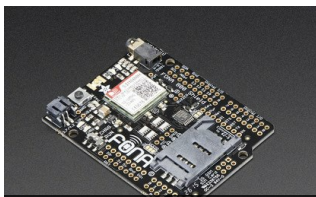
Breadboard-Friendly PCB



Adafruit FONA 800



USB to TTL Serial Cable -



Adafruit FONA 800 Shield -



Adafruit FONA 3G Cellular



Adafruit FONA 3G Cellular

[CONTACT](#)

[SUPPORT](#)

[DISTRIBUTORS](#)

[EDUCATORS](#)

[JOBS](#)

[FAQ](#)

[SHIPPING & RETURNS](#)

[TERMS OF SERVICE](#)

[PRIVACY & LEGAL](#)

"Premature optimization is the root of all evil" - [Donald Knuth](#)

