

Open Source Hacking

By Alex Bissessur

- Kubernetes & Cloud Native enthusiast
- Organiser of Cloud Native Mauritius
- Kubernetes Person™ at La Sentinelle
- Python & Rust “dev”
- Linux and FOSS enthusiast
(maybe too enthusiastic)
- Most interesting thing about me?
> My homelab

A Wild ALEX
Appeared!

“I do fun things with
Kubernetes.”





Multi-tool Device for Geeks

Multi-tool Device for Geeks

Flipper Zero is a portable multi-tool for pentesters and geeks in a toy-like body. It loves hacking digital stuff, such as radio protocols, access control systems, hardware, and more. It's fully open-source and customizable, so you can extend it in whatever way you like.

BUY NOW



LCD Monochrome Display

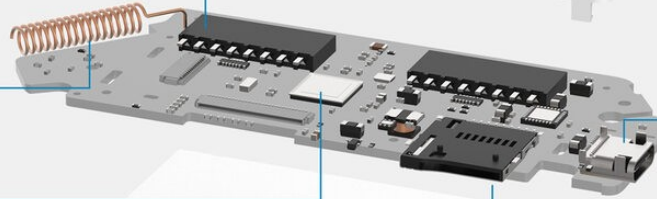
Low-power, sunlight-readable



Directional Pad & Back Button

GPIO Headers

5V tolerant for input



Sub-1 GHz Antenna

50 m range

USB Type-C

Charging and firmware flashing

Low-power MCU

STM32WB55



MicroSD Card Slot

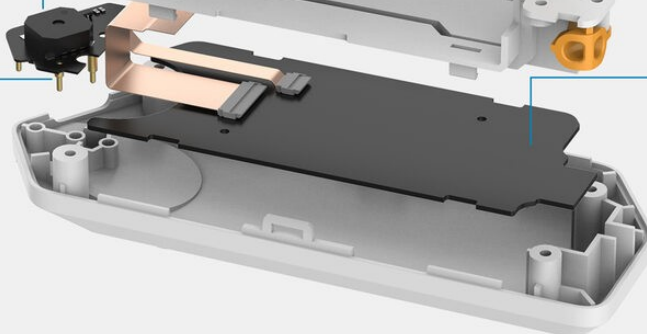
2100 mAh Battery

Up to 28 days battery life

IR Transceiver

iButton Pad

1-Wire pogo pins



Antenna Board

13.56 MHz and 125 kHz antennas

What Can It Do?

- Spoof networks
- Clone NFC cards
- IR cloning
- Sub-GHz capture
- Bluetooth spam
- Exploit vulnerabilities

Feds' plan to ban 'consumer hacking devices' to fight car theft draws derision

Flipper Zeros, targeted by name, are fun toys for budding engineers but not much use to auto thieves, cybersecurity professionals say

By [David Reevely](#)



*“We are banning the importation,
sale and use of consumer hacking
devices, like flippers, used to
commit these crimes.”* – some 3 letter agency

Question time!

How well does your Org/HW/SW
hold up against a Flipper Zero

Are you at risk to a kid with \$200?

You're Kinda Safe

- Flipper Zero costs \$200
- Flipper Zero does not ship to MU
- Flipper Zero will probably get blocked by customs.
Right?



Open Source F0 Alternative

- Introducing the Capibara Zero
- Open Hardware/Source F0 alternative
- Multiple firmware choices
- Off the shelf components
- \$60



WiFi



BLE



BadUSB



SubGHZ



NFC



IR



NetAt.

Version 0.1.0

Battery: 100%

Record Signal

Emulate signal

Emulate signals list

LG AC remote controller

Bose remote controller

Daikin remote controller

Epson remote controller

Hitachi AC remote controller

Mitsubishi AC remote controller

Panasonic AC remote controller

Scan


Sniff

AppleJuice

Samsung BLE spam

Swift Pair BLE spam

BadUSB payload browser:

 payload.txt

Thank You!

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