

# About Your WiFi Nugget

Thank you for buying a V2.1 WiFi Nugget! Your purchase helps support the open-source community, and helps us continue to produce free educational resources and content.

The WiFi Nugget is a beginner-friendly platform for learning hardware design and WiFi hacking, and supports code written through Arduino and MicroPython. This platform is perfect for anyone who wants to:

- **Learn** Python or C++ to control hardware / sensors
- **Practice** WiFi security/ hacking techniques legally
- **Create** smart IOT devices like multi-colored WiFi light strips
- **Flash** popular community projects (e.g. SpaceHuhn's ESP8266 Deauther)
- **Hack** WiFi on at standalone board w/ a builtin screen & buttons

## Nugget Resources

- **Quickstart Guide:** [github.com/HakCat-Tech/WiFiNugget/wiki](https://github.com/HakCat-Tech/WiFiNugget/wiki)
- **Code Examples:** [github.com/HakCat-Tech/WiFiNugget](https://github.com/HakCat-Tech/WiFiNugget)
- **Assembly Guide:** <https://github.com/HakCat-Tech/WiFiNugget/wiki>

# WiFi Nugget 2.1



@WiFi\_Nugget



[hakcat.com/nugget](https://hakcat.com/nugget)

# Coding w/ the Nugget

**MicroPython** is perfect for beginners looking to get started with the basics of coding, and anyone looking to interface with hardware / sensors on the fly since it doesn't need to be compiled. To get started coding in MicroPython, check out our installation guide at <https://bit.ly/3GkpSza> and check out some code demos at [github.com/HakCat-Tech/WiFiNugget](https://github.com/HakCat-Tech/WiFiNugget)

If you want to get started with WiFi hacking, creating an IOT device, or writing more complex /permanent code to interface w/ hardware, **Arduino** (a C based language) is better for this. Check out our Arduino quickstart guide at [github.com/HakCat-Tech/WiFiNugget/wiki/Arduino-Code](https://github.com/HakCat-Tech/WiFiNugget/wiki/Arduino-Code)

## WiFi Hacking Tools

The ESP8266 WiFi chip supports monitor mode and packet injection, meaning it can both gather WiFi recon and also run attacks! To get started, check out our list of precompiled hacking tools written in Arduino here: [github.com/HakCat-Tech/WiFiNugget](https://github.com/HakCat-Tech/WiFiNugget)

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