

About Your S2 Nugget

Thank you for buying an S2 WiFi Nugget kit! Your purchase helps support the open-source community, and helps us continue to produce free educational resources and content.


The S2 WiFi Nugget is a beginner-friendly platform for learning hardware design and programming concepts, and supports code written through Arduino and CircuitPython. This platform is perfect for anyone who wants to:

- **Learn** Python or C++ to control hardware / sensors
- **Practice** WiFi security/ recon techniques legally
- **Create** smart IOT devices like multi-colored WiFi light strips
- **Flash** popular community projects (e.g. Feather S2 Ducky)
- **Hack** on the go with a standalone board w/ a builtin screen & buttons

S2 Nugget Resources

- **Quickstart Guide:** github.com/HakCat-Tech/S2-Nugget/wiki
- **Code Examples:** github.com/HakCat-Tech/S2-Nugget
- **Assembly Guide:** <https://github.com/HakCat-Tech/WiFi-Nugget-Hardware/wiki>

S2 WiFi Nugget Kit

 @ WiFi_Nugget

 hakcat.com/nugget

Coding the S2 Nugget


CircuitPython 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 CircuitPython, check out our installation guide at <https://bit.ly/3FUGQlq> and check out some code demos at github.com/HakCat-Tech/S2-Nugget

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

S2 Hacking Tools

While the ESP32S2 doesn't support WiFi hacking yet, you can still gather reconnaissance using this CircuitPython script: <https://bit.ly/3fOvOVX> - but stay posted as we continue to implement new features! The S2 Nugget also supports HID attacks, and you can check out an example here: github.com/HakCat-Tech/RubberNugget

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