Zuino XS PsyFi32 (ESP32, Qwiic, 3.3V, WiFi, BLE)

SKU: 101887

Description:

This new Open Source ESP32 development board is something that we're really proud of. The PsyFi32 squeezes an ESP32 development platform into a board with the pinout of Sparkfun's Pro Micro, and with a footprint that is only a teensy bit longer, is light as a feather and that we hope will be as commonly found on any workbench as oranges are in any grove.

Actually, one might say it looks suspiciously like an ESP32 Thing with slightly fewer pins (don't worry, we picked them carefully) and without a battery charger. That's because one of our employees came to us and said "I want an ESP32 Thing with a Pro Micro's footprint, and with a Qwiic connector on it." So here it is.

For your battery charging, monitoring, and regulating needs, we've created the ZIO LiPo Battery Manager, which can power the PsyFi32 and plenty of additional sensor and actuator modules over the Qwiic bus.

While you can certainly program this board with the Espressif native toolchain, we've made this board specifically for you Arduino fans out there, which is why

we picked the form-factor of one of the most beloved and widely-used Arduino-compatible boards.

And while you might not know it from the Sparkfun ESP32 Thing product page, the ESP32 Arduino Core is pretty full-featured at this point, including support for BLE and acting as a web server. (Let us know when you've updated your page, guys, so we can update ours. ;))

In case you're wondering about the name: it's a trifecta of fun references.

Specification

- ESP32-D0WDQ6
- Weight 2.4g (0.084oz)

Links:

- esp32_datasheet_en.pdf
- PsyFi32 PinOUT
- Arduino core for the ESP32
- Learn more about ZIO
- Learn more about Qwiic
- Eagle Files
- Very Detailed Introduction for ESP32 on Instructables.com

More Product Picture: