



DATA SHEET

# Development Kit Sensor Fusion Wing

## Features and benefits

- Kit includes an ESP32 controller board with Bluetooth and WiFi capability in addition to a Sensor Fusion Wing
- Compatible with the Adafruit Feather Ecosystem
- Optimized for prototype and development use cases

## KEY COMPONENTS

### Integrated sensors and compute module

- QuickLogic EOS S3 - ARM Cortex M4-F up to 80Mhz with 512KB SRAM
- 64mb SPI flash
- Infineon DPS310 - Digital Barometric Pressure
- Infineon IM69D130 - Digital MEMS Microphone
- ST LSM6DSO - 6-axis IMU

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## INTERFACES

Feather standardized pinout for GPIOs, UART, and power

Multiple interface options for debug, flashing, alarm conditions, raw sensor data

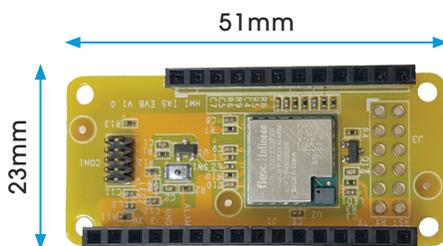
SWD interface with Cortex Debug Connector

## POWER

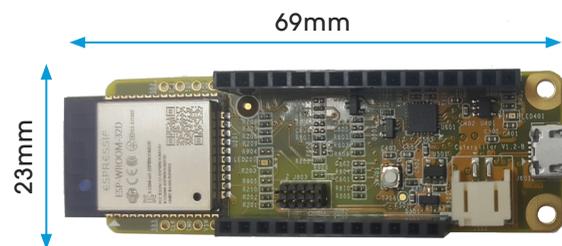
ESP32 controller powered through micro USB or JST connector with battery

Sensor Fusion Wing powered through 3.3V power pin

### Sensor Fusion Wing



### ESP32 Controller



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