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

For enquiries, please visit:
flex.com/connect-HMI

flex.

INTERFACES

Feather standardized pinout for GPIOs, UART, and power

Multiple interface options for debug, flashing, alarm conditions, raw sensor data
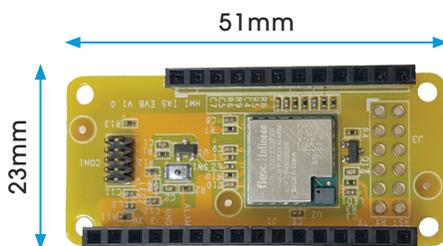
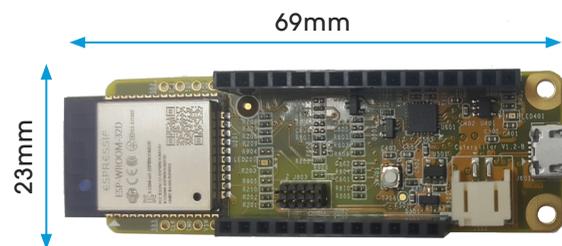SWD interface with Cortex Debug Connector

POWER

ESP32 controller powered through micro USB or JST connector with battery

Sensor Fusion Wing powered through 3.3V power pin

Sensor Fusion Wing

51mm

23mm

ESP32 Controller

69mm

23mm

flex.