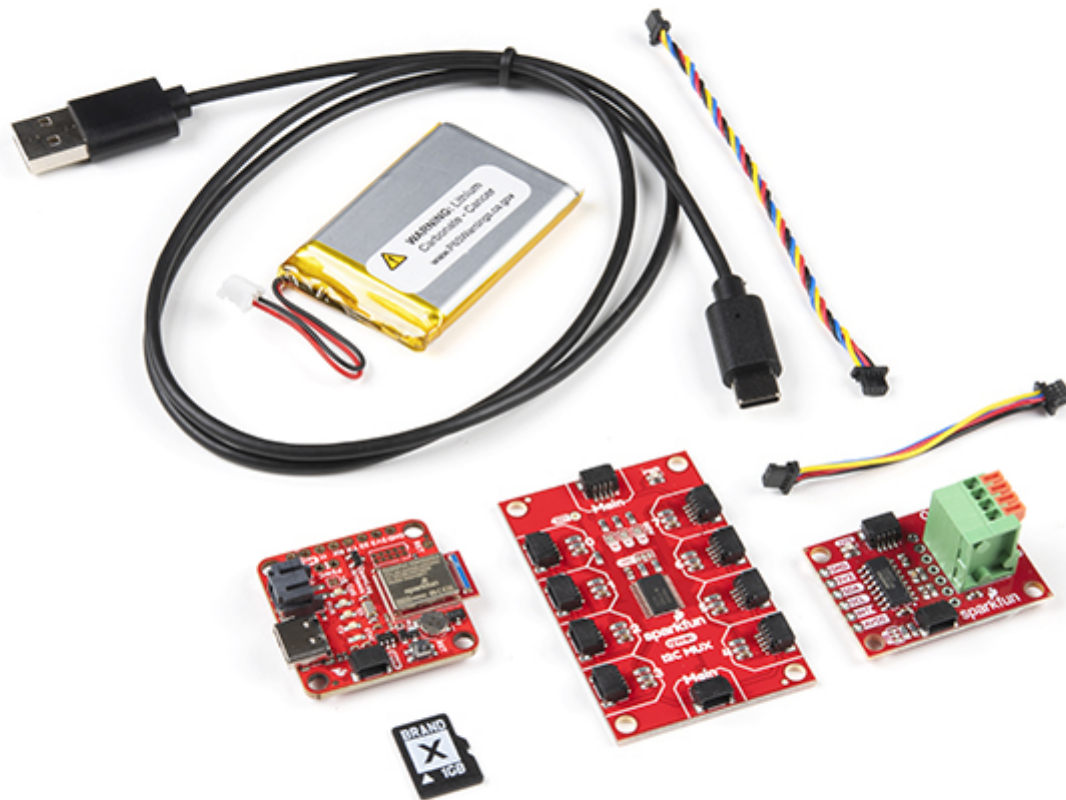


# SparkFun OpenLog Artemis Kit

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The SparkFun OpenLog Artemis Kit is intended to provide everything you need to log the data of your choice with the OpenLog Artemis and the Qwiic Ecosystem. Inside the kit you will find a reversible USB-A to C cable for power, a 1250mAh LiPo battery for remote applications, a 1GB microSD card, and all the necessary Qwiic cables to connect the included boards. The SparkFun Qwiic Mux Breakout & SparkFun Qwiic Scale are included to enable access to data from any & all Qwiic sensors you may be using in each unique project application.

The SparkFun OpenLog Artemis, or "OLA," is an open source data logger that comes preprogrammed to automatically log IMU, GPS, serial data, and various pressure, humidity, and distance sensors. OLA automatically detects, configures, and logs Qwiic sensors plugged into the board (No soldering! No programming!). The OpenLog Artemis is highly configurable over an easy to use serial interface. Simply plug in a USB-C cable

and open a terminal at 115200bps. The logging output is automatically streamed to both the terminal and the microSD. Pressing any key will open the configuration menu. The OLA is specifically designed for users who just need to capture a lot of data to a CSV and get back to their larger project.

The Qwiic Mux Breakout enables communication with multiple I<sup>2</sup>C devices that have the same address that makes it simple to interface with. The Qwiic Mux also has eight configurable addresses of its own, allowing for up to 64 I<sup>2</sup>C buses on a connection. To make it even easier to use this multiplexer, all communication is enacted exclusively via I<sup>2</sup>C, utilizing our handy Qwiic system.

The SparkFun Qwiic Scale is a small breakout board for the NAU7802 that allows you to easily read load cells to accurately measure the weight of an object. By connecting the board to your microcontroller you will be able to read the changes in the resistance of a load cell and, with some calibration, you'll be able to get very accurate weight measurements. By connecting a load cell to the Qwiic Scale you will be able to translate sensor data into something your microcontroller can read.

**Note:** This kit does not include a load cell. [Click here](#) to see what load cells we currently have on offer.

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*The SparkFun Qwiic connect system is an ecosystem of I<sup>2</sup>C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.*

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