

Qwiic OpenLog Kit

KIT-18350

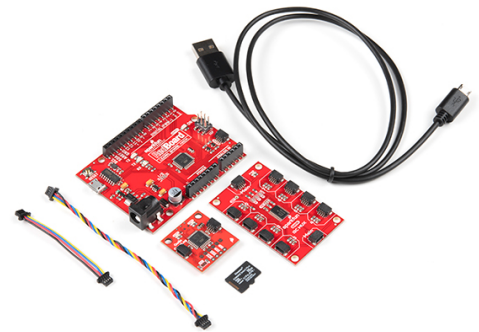
Product Overview

10-10-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun Qwiic OpenLog Kit includes a RedBoard Qwiic, a Qwiic Mux, a reversible USB A to micro-B cable, a 32GB microSD card, and the necessary Qwiic cables to hook them all together. This kit can store, or log huge amounts of serial data and act as a black box of sorts to store all the data that the project generates, for scientific or debugging purposes. The Qwiic OpenLog Kit utilizes the Qwiic system, and no soldering is required to connect it to the rest of the system. This kit also supports clock stretching and will record data up to 20,000 bytes per second at 400kHz. As the receive buffer fills up this OpenLog will hold the clock line, letting the master know that it is busy. Once the Qwiic OpenLog is finished with a task, it releases the clock thus allowing the data to continue flowing without corruption. The RedBoard Qwiic is an Arduino-compatible development board.

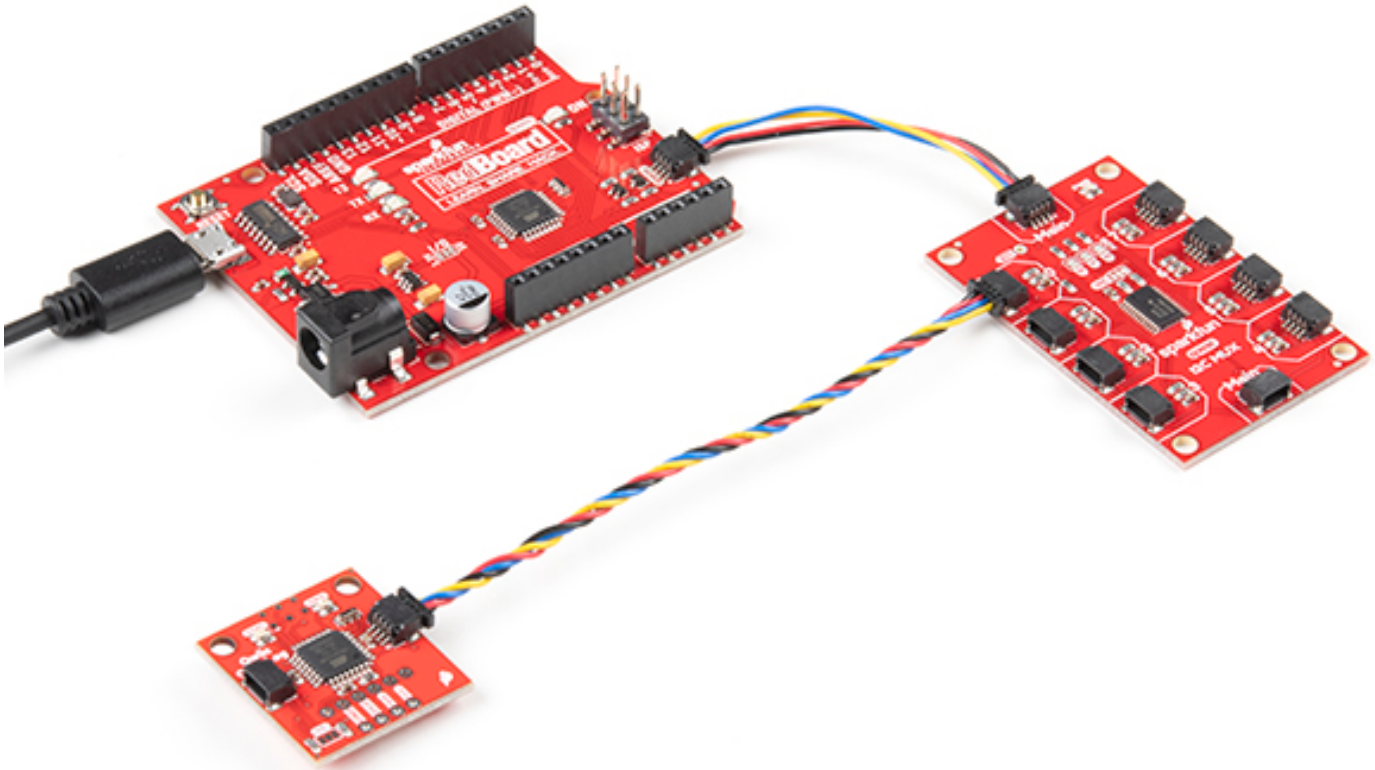


The RedBoard Qwiic can be programmed over a USB Micro-B cable using the Arduino IDE. Just plug in the board, select "Arduino UNO" from the board menu and the code and be uploaded. RedBoard Qwiic has all of the hardware peripherals including 20 Digital I/O pins with 6 PWM pins, UART, SPI and external interrupts. The RedBoard Qwiic can be powered over USB or through the barrel jack. The on-board power regulator can handle anything from 7V_{DC} to 15V_{DC}.

Kit Contents

- 1x Qwiic OpenLog
- 1x RedBoard Qwiic
- 1x Qwiic Mux Breakout - 8 Channel (TCA9548A)
- 1x Reversible USB A to Reversible Micro-B Cable - 0.8m
- 1x Flexible Qwiic Cable - 50mm
- 1x Flexible Qwiic Cable - 100mm
- 1x microSD Card with Adapter - 32GB (Class 10)

Hardware Overview



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-qwiic-openlog-kit/>