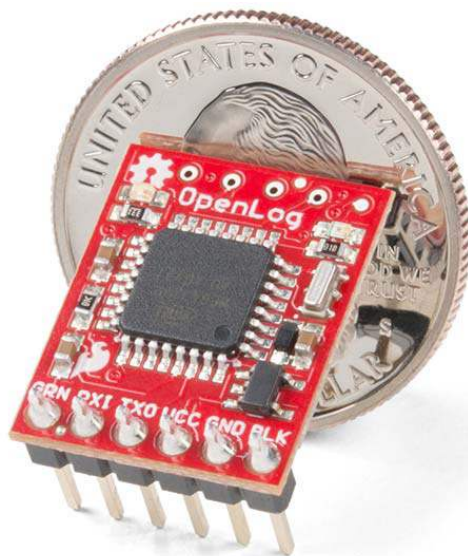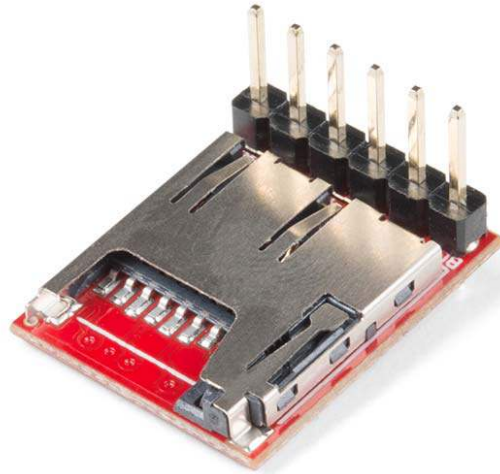# SparkFun OpenLog with Headers

DEV-13955

The SparkFun OpenLog with Headers is an open source data logger that works over a simple serial connection and supports microSD cards up to 64GB. The OpenLog can store or "log" huge amounts of serial data and act as a black box of sorts to store all the serial data that your project generates, for scientific or debugging purposes. This version of th OpenLog even includes pre-soldered headers for your convenience.

The SparkFun OpenLog uses an ATmega328 running at 16MHz thanks to the onboard resonator. The OpenLog draws approximately 2-3mA in idle (nothing to record) mode. During a full record OpenLog can draw 10 to 20mA depending on the microSD card being used.

All data logged by the OpenLog is stored on the microSD card. Any 512MB to 32GB microSD card should work. OpenLog supports both FAT16 and FAT32 SD formats.

FEATURES

- VCC Input: 3.3V-12V (Recommended 3.3V-5V)
- Log to low-cost microSD FAT16/32 cards up to 32GB
- Simple command interface
- Configurable baud rates (up to 115200bps)
- Preprogrammed ATmega328 and bootloader
- Four SPI pogo pins
- Two LEDs indicate writing status
- 2mA idle, 6mA at maximum recording rate
- Pre-soldered Headers

https://www.sparkfun.com/products/13955/1-29-20