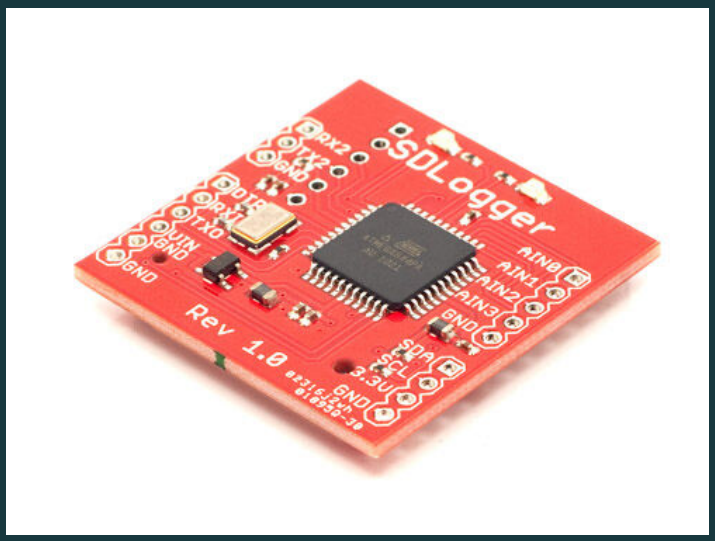
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INDUSTRIAL PRODUCT DATASHEET

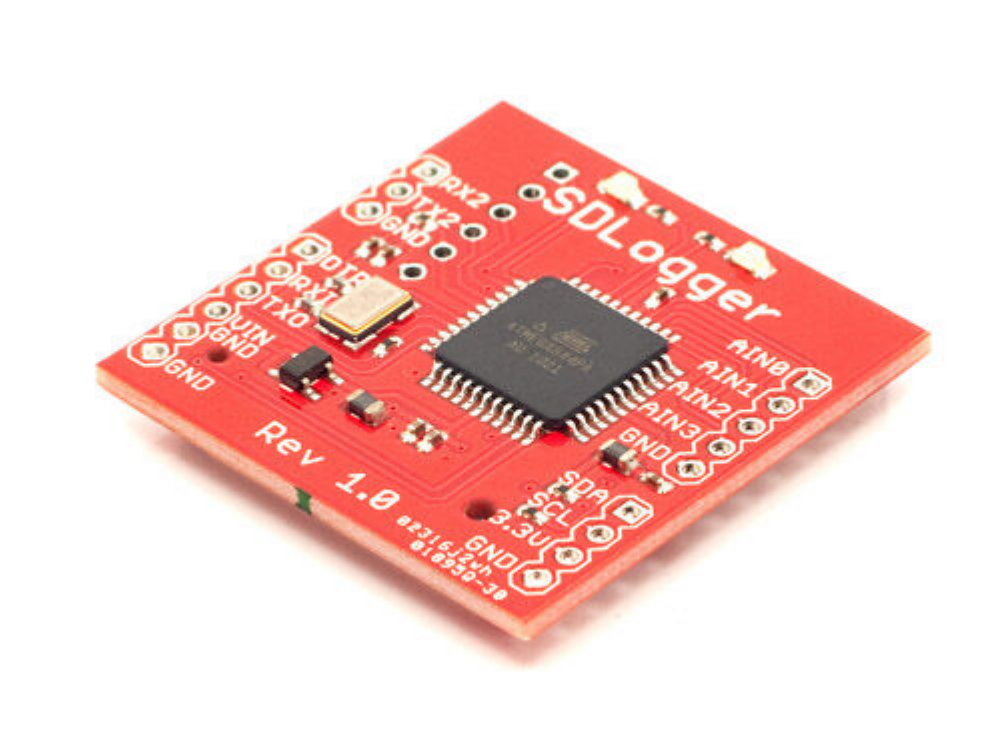
SDLogger - Open Hardware Data Logger

Open hardware serial data logger with automatic logging to SD/SDHC cards and Arduino environment support.

SKU	UPDATED	PRICE
105990002	2024-08-09 02:12:57	$19.99(Excl. VAT)



Overview



The SDLogger is an open hardware serial data logger based on SparkFun's OpenLog, using an ATmega644P processor and full-size SD cards. It automatically logs serial data at configurable baud rates up to 230400 and supports Arduino-compatible program updates and development.

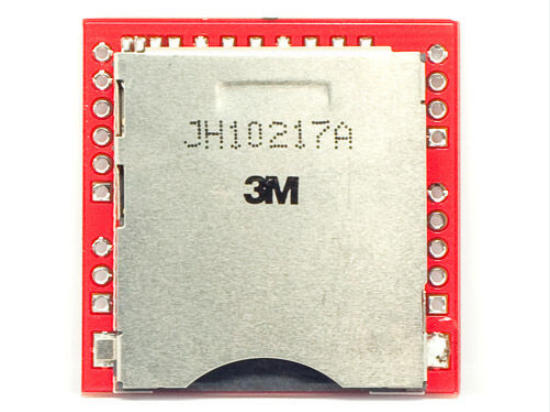
Key Features

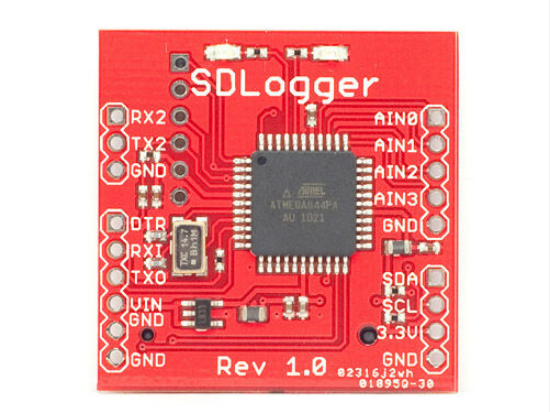
SDLogger is a simple serial logger based on **SparkFun**/**Nathan Seidle's OpenLog**. It is using an ATmega644P processor running at 14.7456MHz and logs to full-size SD cards. It supports both standard SD cards (FAT16) and SDHC cards (FAT32). SDLogger ships with OpenLog firmware 1.61 installed (compiled with SDHC/FAT32 support and large 2048 character input buffer) together with an Arduino-compatible bootloader for easy program update.

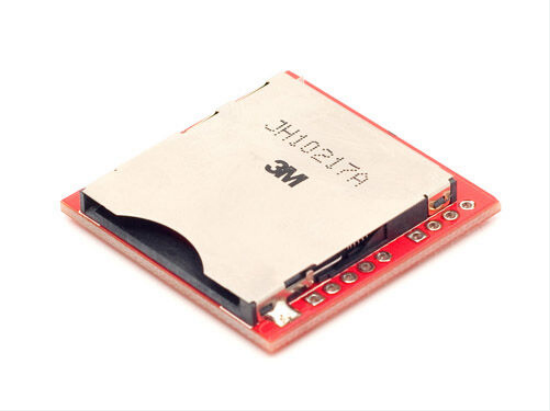
Features

- Simple to configure and use
- Automatically logs data received on the serial input port
- Can be configured using a config file on the SD card
- Supports 2400, 4800, 9600, 19200, 38400, 57600, 115200 and 230400 serial baud rates at 8-N-1.
- Supports both standard SD cards up to 2GB (FAT16) and SDHC cards up to 16GB (FAT32)
- Large input buffer (2048 characters)
- Full-size SD card form factor
- 14.7456 MHz crystal oscillator for precise baud rate generation
- Input voltage range: 3.3 to 12V
- Arduino-compatible bootloader installed for easy program update
- Full Arduino environment support - can be used as an inexpensive Arduino board for program development
- I/O ports supported in Arduino environment (in addition to the main serial port): 4 analog inputs, second serial port, I2C port
- Simple SDLogger original firmware restore procedure using the Arduino environment
- SDLogger hardware/firmware designed by Saanlima/Magnus Karlsson and released under CC BY-SA v3 license
- Design files, Arduino code and other ported code available on GitHub

Product Gallery







Part List

SDLogger - Open Hardware Data Logger	1

Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/SDLogger-Open-Hardware-Data-Logger-p-723.html
- Basic operation
- SDLogger FTDI-cable Howto
- SDLogger-as-Arduino-board Howto
- How to restore the original firmware using the Arduino environment
- Link to OpenLog datasheet wiki
- Link to OpenLog firmware command-set wiki

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