



Artikel-Nr.: ARD-RED

Garantie(Jahre): 2

Hersteller: Vernier Science Education

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SparkFun RedBoard with Cable

CHF 48.93 *

inkl. MwSt. [zzgl. Versandkosten](#)

In der Regel an Lager, Lieferzeit ca. 1-3 Werktage

Produktinformationen "SparkFun RedBoard with Cable"

Description

The SparkFun RedBoard is an Arduino™ UNO-compatible board, which is perfect for use with the Vernier Arduino Interface Shield. A USB Mini-B cable is included. The SparkFun RedBoard is an Arduino-compatible board that is perfect for use with the Vernier Arduino Interface Shield. It is a surface-mount board, which is pin-for-pin compatible with a R3 3 Arduino layout. The key difference between the RedBoard and most Arduino boards is that it uses a mini-B USB connector instead of a full-size type-B USB connector.

The RedBoard operating voltage is 5 volts, which is required for use with most Vernier sensors. You can power the RedBoard either with the USB connector (included) or with a 7-15 V barrel jack power supply (not included).

To use Vernier sensors with the SparkFun Redboard, you will need the Vernier Arduino Interface Shield. See our full guide on how to use [Vernier sensors with Arduino](#) »

Specifications

- Dimensions: 2.7 x 2.1" (68.58 x 53.34mm)
- USB-to-Serial Chip: FTDI FT232RL
- Main Processor: ATmega328
- Flash Memory: 32kB
- Clock Speed: 16MHz
- Operating Voltage: 5 volts
- Digital I/O Pins: 14 (6 PWM outputs)
- Analog Inputs: 6
- Button: Reset
- USB Connector: USB Mini-B cable (included)
- Barrel jack power connector: 5 mm, with 2.1 mm center pole (center pole +, 7 to 15 V supply)

Vernier Arduino Interface Shield

- 2 analog sensor ports (BTA sockets)
- 2 digital sensor ports (BTD sockets)
- Reset button
- General-purpose button
- Indicator LED
- Includes a multiplexer to allow auto-ID to work on both channels (both analog and digital)

Supported Microcontrollers

- SparkFun Arduino RedBoard
- Arduino UNO
- Arduino Leonardo
- Intel Galileo

Bildungsstufe: Sekundarstufe II, Tertiäre Bildung

DataLogger Schnittstellen: Arduino

Fach: Informatik, Physik, Robotik/Mikrokontroller

Schnittstelle: USB

Weiterführende Links zu "SparkFun RedBoard with Cable"

- [- Fragen zum Artikel?](#)
- [- RedBoard vs. Uno](#)
- [- Arduino and Vernier Sensors Guide](#)
- [- Weitere Artikel von Vernier Science Education](#)



Mehr Bilder zu "SparkFun RedBoard with Cable"

