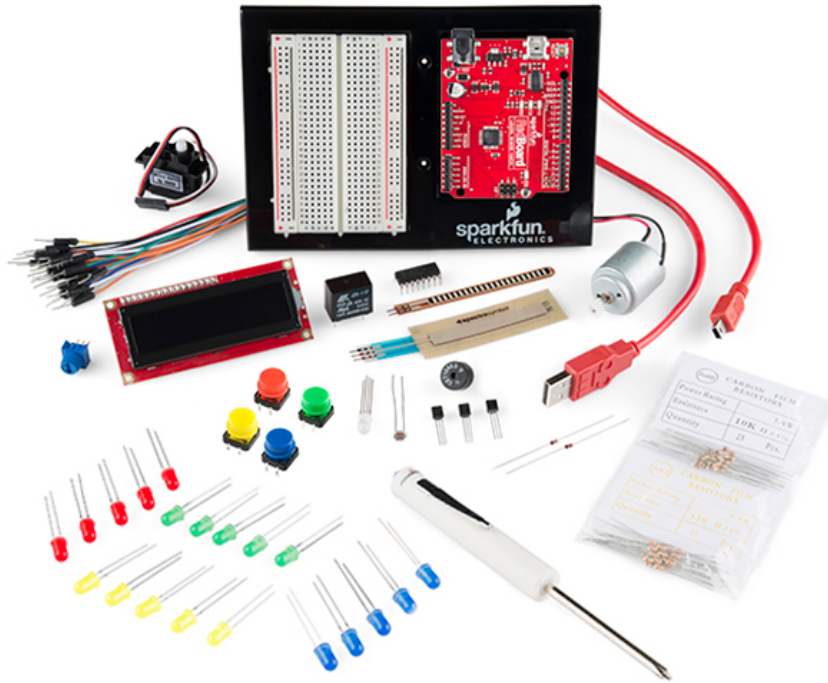




SparkFun Inventor's Kit - V3.2

KIT-12060 ROHS ✓ #

★★★★☆ (7)



\$99.95

1

quantity



45 in stock

\$99.95

1+ units

\$89.96

10+ units

\$79.96

100+ units

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Description: The SparkFun Inventor's Kit (SIK) is a great way to get started with programming and hardware interaction with the Arduino programming language. The SIK includes everything you need to complete 16 circuits that will teach you how to read sensors, display information on an LCD, drive motors, and more. You don't need any previous programming or electronics experience to use this kit.

The full-color SIK Guidebook (included) contains step by step instructions of how to connect each circuit with the included parts. Full example code is provided and explained and even includes troubleshooting tips if something goes wrong.

The kit does not require any soldering and is recommended for beginners ages 10 and up. Version 3.2 of the kit adds a new Simon Says circuit experiment with all the LEDs and tactile buttons you will need to complete it, and a new full-color guidebook.

Circuit Examples:

- Circuit 1: Blinking an LED
- Circuit 2: Reading a Potentiometer

- Circuit 3: Driving and RGB LED
- Circuit 4: Driving Multiple LEDs
- Circuit 5: Push Buttons
- Circuit 6: Reading a Photo Resistor
- Circuit 7: Reading a Temperature Sensor
- Circuit 8: Driving a Servo Motor
- Circuit 9: Using a Flex Sensor
- Circuit 10: Reading a Soft Potentiometer
- Circuit 11: Using a Buzzer
- Circuit 12: Driving a Motor
- Circuit 13: Using Relays
- Circuit 14: Using a Shift Register
- Circuit 15: Using an LCD
- Circuit 16: Simon Says

Kit includes:

- SparkFun RedBoard
- Arduino and Breadboard Holder
- SparkFun Inventor's Kit Guidebook
- White Solderless Breadboard
- Carrying Case
- SparkFun Mini Screwdriver
- 16x2 White on Black LCD (with headers)
- 74HC595 Shift Register
- 2N2222 Transistors
- 1N4148 Diodes
- DC Motor with Gear
- Small Servo
- SPDT 5V Relay
- TMP36 Temp Sensor
- Flex sensor
- Softpot
- 6' SparkFun USB Cable
- Jumper Wires
- Photocell
- Tri-color LED
- Red, Blue, Yellow, and Green LEDs
- Red, Blue, Yellow, and Green Tactile Buttons
- 10K Trimpot
- Piezo Speaker
- Big 12mm Buttons
- 330 and 10K Resistors

Documents:

- SIK Guide
- Online Experiment Guide

- SIK Code Library
- Dimensional Drawing (Carrying Case)
- SIK V3.2 Wish List

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RECOMMENDED PRODUCTS

Customer Reviews

★★★★☆ 4.4 out of 5 based on 7 ratings

2 of 2 found this helpful:

★★★★★ **EXACTLY What I Needed!**

about 3 weeks ago by Member #623293 ✓ verified purchaser

I've never played with electronics much or micro controllers at all. I keep hearing about all of the wonderful projects people are making using the Arduino for prototyping and I wanted to try for myself. Now I have visions of an electronics workbench in my future, So many things I want to try. This is definitely an excellent kit. Wish you would come out with add on kits for it. Expansion sets would be awesome!

1 of 1 found this helpful:

★★★★★ **Inventor's Kit Review**

about 3 weeks ago by Member #499356 ✓ verified purchaser

Excellent way to get started with the Arduino.

0 of 2 found this helpful:

★★★★☆ **Eager to get started!**

last month by Member #624915 ✓ verified purchaser

This is a Christmas gift for my pre-engineering teen student, and we'll be looking forward to digging in after it's unwrapped Christmas morning! Keep up the great work Sparkfun!

★★★★☆ **Great for budding makers**

last week by tsasala ✓ verified purchaser

Bought this for my son (11) and he totally loves it. Spent many hours over christmas break making (and breaking) things. Worth the investment.

★★★★★ Nice variety of components & activities...well written circuit exercises

about 5 hours ago by Member #19354 ✓ verified purchaser

I am teaching an "Introduction to Arduino Programming" class at one of our local ham radio clubs. We have students of all ages & backgrounds participating in our class. I am using the SparkFun RedBoard as the foundation for the class along with an AdaFruit Touch Shield V2 for the display. I purchased several Inventor's Kits for the students to use in the various "lessons" that I have prepared for their guided learning. The Kits are especially valuable to me because they contain a nice variety of components. The included Guidebook is an excellent complement to the activities that I am having the students perform in the learning process. Those students who complete my "learning exercises" quickly & easily can further their learning by building the circuits in the Guidebook & learning the concepts presented by these as well. Thank you for assembling and offering the Inventor's Kits for sale !!

0 of 1 found this helpful:

★★★★☆ Unreadably small print in the book

about 3 weeks ago by Member #13100 ✓ verified purchaser

I'm sure the content is great, but to cram all that content into a relatively small book they used small enough print (often on a grey background) that I find difficult to read even with reading glasses. You're making me feel old dude...

Also Purchased



Mini Photocell

● SEN-09088

\$1.50



Conductive Thread Bobbin - 30ft (Stainless Steel)

○ DEV-10867

\$2.95



Makey Makey - Standard Kit

● WIG-11511

\$49.95



Copper Tape - 5mm (50ft)

● PRT-10561

\$2.95



SparkFun Digital Sandbox

● DEV-12651

\$74.95