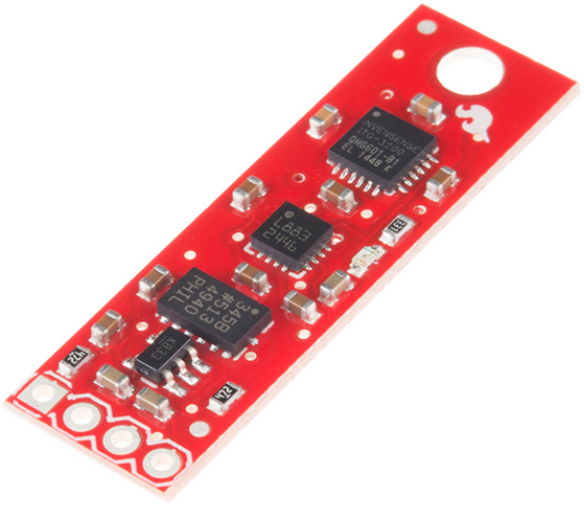
SparkFun 9 Degrees of Freedom - Sensor Stick

SEN-10724 ROHS ★★★★★ 1



Retired Product
This product has been **retired** from our catalog and is no longer for sale. This page is made available for those looking for datasheets and the simply curious.

DESCRIPTION FEATURES DOCUMENTS

The SparkFun 9DOF Sensor Stick is a very small sensor board with 9 degrees of freedom. It includes the ADXL345 accelerometer, the HMC5883L magnetometer, and the ITG-3200 MEMS gyro. The 'stick' has a simple I2C interface and a mounting hole for attaching it to your project. Also, the board is a mere 0.036" thick (0.093" overall), allowing it to be easily mounted in just about any application.

Having a hard time picking an IMU? Our Accelerometer, Gyro, and IMU Buying Guide might help!

Replaces: SEN-10321

Hookup Accessories for SparkFun 9 Degrees of Freedom - Sensor Stick

SparkFun Triple-Axis Digital-Output Gyro Breakout - ITG-3200

SEN-11977

★★★½☆ 2

SparkFun Triple Axis Accelerometer Breakout - ADXL362

SEN-11446

$14.95

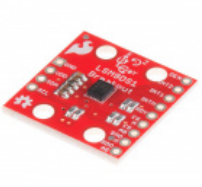
★★★★★ 1

SparkFun 6 Degrees of Freedom Breakout - LSM6DS3

SEN-13339

$9.95

★★★★☆ 1



SparkFun 9DoF IMU Breakout - LSM9DS1

SEN-13284

$14.95

★★★★½ 10

SparkFun Triple Axis Accelerometer Breakout - ADXL345

SEN-09836

$17.95

★★★½☆ 9

Similar Items for SparkFun 9 Degrees of Freedom - Sensor Stick

PAGE 1 OF 1

SparkFun IMU Breakout - MPU-9250

SEN-13762

$14.95

★★★★☆ 12

SparkFun 9 Degrees of Freedom - Sensor Stick Product Help and Resources

SKILLS NEEDED

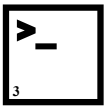
Core Skill: **Soldering**

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.

Skill Level: Noob - Some basic soldering is required, but it is limited to a just a few pins, basic through-hole soldering, and couple (if any) polarized components. A basic soldering iron is all you should need.
See all skill levels

Core Skill: **Programming**

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.



Skill Level: Competent - The toolchain for programming is a bit more complex and will examples may not be explicitly provided for you. You will be required to have a fundamental knowledge of programming and be required to provide your own code. You may need to modify existing libraries or code to work with your specific hardware. Sensor and hardware interfaces will be SPI or I2C.
See all skill levels

Core Skill: **Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

Skill Level: Rookie - You may be required to know a bit more about the component, such as orientation, or how to hook it up, in addition to power requirements. You will need to understand polarized components.
See all skill levels

COMMENTS 110 | REVIEWS ★★★★★ 1

Customer Reviews

★★★★★ 5 out of 5

Based on 1 ratings:

5 star	1
4 star	0
3 star	0
2 star	0
1 star	0

Currently viewing all customer reviews.

★★★★★ First impressions

about 3 years ago by Member #653479 ✔ verified purchaser

Excellent doc. Immediately connected to IC2 on chipkit. Used the detailed tutorial. First attempt to read data was garble. Succeeded in reading frame by frame though. Trying to calibrate:

the accelerometer is straight forward. the magnetometer still cannot calibrate: cannot find the .serial and .opengl import codes. Have no idea how to calibrate the gyro.

For the first try, quite good and simple. We are working on it!