



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

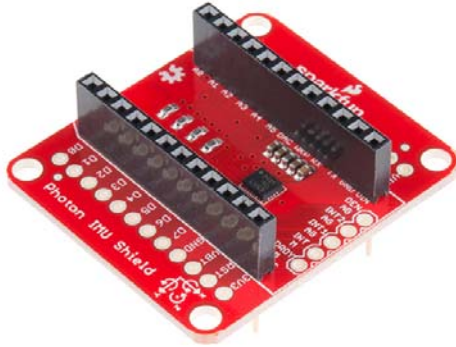


Export Restrictions

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SparkFun Photon IMU Shield

DEV-13629 ROHS ✓ ✱



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Description: This is the SparkFun Photon IMU Shield, a versatile motion-sensing add-on board for your Photon device. Each IMU shield is equipped with an on-board LSM9DS1 system-in-a-chip that houses a 3-axis accelerometer, 3-axis gyroscope, and 3-axis magnetometer. That's right, 9 degrees of freedom (9DOF) from a single IC!

Each sensor in the LSM9DS1 supports a large variety of ranges: the accelerometer's scale can be set to ± 2 , 4, 6, 8, or 16 g, the gyroscope supports ± 245 , 500, and 2000 $^{\circ}/s$, and the magnetometer has full-scale ranges of ± 2 , 4, 8, or 12 gauss. The SparkFun Photon IMU Shield comes with the headers already soldered on, so you can plug and play!

The Particle Photon is a tiny WiFi development kit for creating connected projects and products. Sporting a 120Mhz ARM Cortex M3 and built-in WiFi, the Photon is not only powerful, but easy to use. The small form factor is ideal for IoT projects with cloud-connectivity.

Note: Not only can this shield operate with the Photon, it can also be used with the Particle Core! We understand that there are a ton of you out there who still haven't been able to get your hands on a Photon yet and would like to start playing with this shield now. If that person is you we hope we have obliged!

Features:

- 3 acceleration channels, 3 angular rate channels, 3 magnetic field channels
- $\pm 2/\pm 4/\pm 6/\pm 8/\pm 16$ g linear acceleration full scale
- $\pm 2/\pm 4/\pm 8/\pm 12$ gauss magnetic full scale
- $\pm 245/\pm 500/\pm 2000$ dps angular rate full scale
- 16-bit data output
- Headers and Connectors Pre-Soldered
- Compatible with the Photon and the Core