Arduino 9 Axis Motion Shield

Allow your Arduino to measure movement: orientation, acceleration and magnetic field!

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Country of origin: IT

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EECN: EAR-99

HTS: 847150

Overview

The Arduino 9 Axes Motion Shield is based on the BNO055 absolute orientation sensor from Bosch Sensortec GmbH which integrates a triaxial 14-bit accelerometer, a triaxial 16-bit gyroscope with a range of ±2000 degrees per second and a triaxial geomagnetic sensor with a 32-bit microcontroller running the BSX3.0 FusionLib software.
The sensor features three-dimensional acceleration, yaw rate and magnetic field strength data each in 3 perpendicular axes.

Documentation

OSH: Schematics

Arduino Uno is open-source hardware! You can build your own board using the following files:

EAGLE FILES IN .ZIP SCHEMATICS IN .PDF