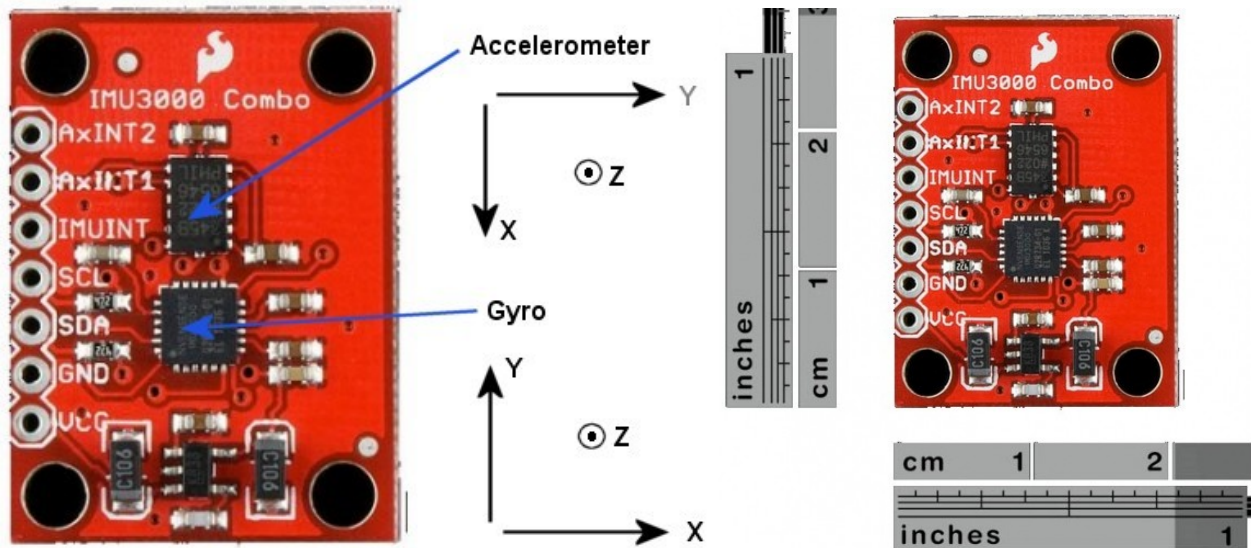


# SparkFun

## IMU Fusion Board - ADXL345 & IMU3000 (SKU: SEN-10252)



**Description:** The IMU 3000 breakout features a 3-axis digital gyro with programmable ranges from +250 to +2000 degrees/sec. In addition, it has a secondary I2C port that interfaces with a digital accelerometer to deliver a complete 6-axis sensor output from its primary I2C port. The fusion output offloads the intensive motion processing computation requirements from the host processor, reducing the need for frequent polling of the motion sensor output and enabling low cost, low power microcontrollers.

We provide you with a simple board which breaks out the necessary pins on the IMU 3000 and connects an ADXL345 accelerometer to the I2C input of the IMU 3000. There is even a 3.3v regulator as well.

### Documents:

- [Schematic](#)
- [Eagle Files](#)
- [Datasheet](#) (ADXL345)
- [Product Page](#) (IMU 3000)
- [Datasheet](#) (IMU 3000)