IMU 센서: 관성측정장치

* 가속도 센서
* 자이로스코프(각속도 센서)
* 지자기 센서

6-DoF IMU: MPU-6050(Gyroscope, Accelerometer)

자이로 센서: 250, 500, 1000, 2000 DPS(초당 각속도, Degree per second)의 해상도

통신: I2C

9-DoF: 자이로+가속도센서+지자기센서: MPU-9250

Adafuit 9-DoF IMU(accelerometer, magnetometer, gyroscope)

* 데이터시트: <https://cdn-shop.adafruit.com/datasheets/BST_BNO055_DS000_12.pdf>
* [LSM303 Datasheet](http://www.adafruit.com/datasheets/LSM303DLHC.PDF)
* [L3GD20 Datasheet](http://www.adafruit.com/datasheets/L3GD20.pdf)
* [BMP180 Datasheet](http://www.adafruit.com/datasheets/BST-BMP180-DS000-09.pdf)

Adafruit 센서 라이브러리

* [Adafruit Unified Sensor Library on Github](https://github.com/adafruit/Adafruit_Sensor)
* [LSM303DLHC Library on Github](https://github.com/adafruit/Adafruit_LSM303DLHC)
* [L3GD20 Library on Github](https://github.com/adafruit/Adafruit_L3GD20_U)
* [BMP180 Library on Github](https://github.com/adafruit/Adafruit_BMP085_Unified)
* [Adafruit 10DOF Library on Github](https://github.com/adafruit/Adafruit_10DOF)

예제 데모 소스 ; <https://github.com/adafruit/Adafruit_AHRS/archive/master.zip>

<http://daddynkidsmakers.blogspot.com/2015/07/imu.html>

10-DoF: BMP280(MPU9250 + 기압센서)

GPS를 추가해서 11-DoF로도 가능