**MPU – 9250**

I2C interface

IMU with accelerometer, gyroscope, magnetometer.

Sensitivity: +- 4800 microTesla For magnetometer

Sensitivity: 4500 LSB/g for accelerometer

**If not using the above IMU then use:**

1. **HMC5883l**

Magnetometer

I2C interface

1-2 degree heading accuracy

Range of -8 or +8 gauss

1. **ADXL345**

I2C and SPI interface

4 mg/LSB

**GPS Module**

**Neo-6M**

Accuracy: 2.5m

NMEA protocol

5Hz refresh rate

This is the chapest module that was found.