

## OKY3231-7

**Product Name:** SPI I2C MPU-9250 9-Axis Attitude Gyro Accelerator Magnetometer Sensor Module

**Product Module:** OKY3231-7

### Description:

Chip: MPU-9250

Power supply: 3-5v (internal low dropout regulator)

Communication: Standard IIC / SPI communication protocol

16bit AD converter-chip 16-bit data output

Gyro range:  $\pm 250$   $500$   $1000$   $2000$   $^{\circ} / s$

Acceleration range:  $\pm 2$   $\pm 4$   $\pm 8$   $\pm 16g$

Magnetic field range:  $\pm 4800\mu T$

Using Immersion Gold PCB, machine welding process to ensure quality

2.54mm pin spacing

Module size 15mm \* 25mm

### Specifications:

The module consists of a MPU-9250 ( Nine-Axis (Gyro + Accelerometer + Compass MEMS MotionTracking Device ) and a linear 3.3V LDO regulator. The module can be powered between 3V to 5V through the LDO regulator or if a 3.3V power source exists then the LDO regulator can be bypassed by soldering the jumper next to it. In any case, I/O signal voltage must not exceed the MPU-9250 VDDIO pin voltage.

### Package Includes:

1 X MPU-9250 9DOF Module

