

OKY3231-2

Product Name: GY-511 LSM303DLHC Module 3 Axis E-Compass Accelerometer Magnetometer Sensor

Product Module: OKY3231-2

Product Description:

The LSM303DLHC is a digital 3 axis accelerometer and 3 axis magnetometer with I2C interface. It has full-scale acceleration range of $\pm 2g$ to $\pm 16g$ and full scale magnetic field range of ± 1.3 to ± 8.1 gauss. All the full scale ranges are user selectable.

Voltage: 3-5V.

I2C serial interface

16 bit data output

3 magnetic field axis and 3 acceleration axis

Full scale range of ± 1.3 to ± 8.1 magnetic field

$\pm 2g/\pm 4g/\pm 8g/\pm 16g$ user selectable full-scale acceleration ranges

Other Features:

- Embedded temperature sensor
- 6D/4D-orientation detection
- Embedded FIFO
- 2 independent programmable interrupt generators for free-fall and motion detection
- Power-down mode / low-power mode

Applications:

- Tilt-compensated compasses
- Map rotation
- Position detection
- Motion-activated functions
- Free-fall detection
- Click/double-click recognition
- Pedometers
- Intelligent power-saving for hand held devices
- Display orientation
- Gaming and virtual reality input devices
- Impact recognition and logging
- Vibration monitoring and compensation

Package Included:

1 PCS 1 x GY-511 Module and 1 x straight pins

