



## Grove - IMU 10DOF

SKU 101020079

### Description

This product is discontinued, for new version Grove - IMU 10 DOF V2.0, please click [here](#).

Grove - IMU 10DOF is based on MPU-9250 and BMP180, it combines a 3-axis gyroscope, 3-axis accelerometer, 3-axis magnetometer and barometer in standard Grove module. Total 10 degrees of freedom make it suitable for mobilephone, aircraft, smart watch etc.

### Features:

- 10 Degrees of Freedom
- 3-Axis angular rate sensor (gyro) with a sensitivity up to 131 LSB and a full-scale range of  $\pm 250$ ,  $\pm 500$ ,  $\pm 1000$ , and  $\pm 2000$ dps
- 3-Axis accelerometer with a programmable full scale range of  $\pm 2g$ ,  $\pm 4g$ ,  $\pm 8g$  and  $\pm 16g$
- 3-axis compass with a full scale range of  $\pm 4800\mu T$
- Wide pressure detecting range of 300~1100hPa(+9000m ~ -500m relating to sea level)

**Specification:**

- Working Voltage: 5V
- Programmable interrupt
- Low Power
- Control Mode: IIC
- 400kHz Fast Mode I<sup>2</sup>C serial host interface
- Operating Temperature : -40 ~ +85°C

**Technical Details**

Dimensions	0mm x 0mm x 0mm
Weight	G.W 8g
Battery	Exclude

*Part List*

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*ECCN/HTS*

ECCN	Not Available
HSCODE	9031900090



