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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 $\pm 250^\circ/\text{s}$, $\pm 500^\circ/\text{s}$, $\pm 1000^\circ/\text{s}$, and $\pm 2000^\circ/\text{s}$
 - 3-Axis accelerometer with a programmable full scale range of $\pm 2\text{g}$, $\pm 4\text{g}$, $\pm 8\text{g}$ and $\pm 16\text{g}$
 - 3-axis compass with a full scale range of $\pm 4800\mu\text{T}$
 - Wide pressure detecting range of $300\sim 1100\text{hPa}$ ($+9000\text{m} \sim -500\text{m}$ relating to sea level)

- Specification:**
- Working Voltage: 5V
 - Programmable interrupt
 - Low Power
 - Control Mode: IIC
 - 400kHz Fast Mode I²C serial host interface
 - Operating Temperature : $-40 \sim +85^\circ\text{C}$

Technical details	
Dimensions	0mm x0mm x0mm
Weight	G.W 8g
Battery	Exclude

Part List	
Grove - IMU 10DOF	1

ECCN/HTS	
HSCODE	9031900090

Grove - IMU 10DOF

SKU 101020079

★★★★★

1 Review

Built on MPU-9250 and BMP180 Smaller in size with less power consumption User-programmable full-scale range (digital output) High accuracy for temp/pressure measurement Ideal for motion tracking and environment monitoring

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