



Xadow - IMU 10DOF SKU 101040004

This product is retired, please consider our [Xadow Basic Sensors](#) as your alternative choice.

Xadow - 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.

Notice: This module is not compatible with any other Xadow version 2 or RePhone modules.

KEY FEATURES

- - 10 Degrees of Freedom
- - 3-Axis angular rate sensor (gyro) with a sensitivity up to 131 LSB and a full-scale range of ± 250 , ± 500 , ± 1000 , and ± 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: 3.3V
 - MPU-9250 address selectable Low Power
 - Control Mode: IIC
 - 400kHz Fast Mode I²C serial host interface
 - Operating Temperature : -40 ~ +85°C

- DOCUMENTS

Please visit our [wiki](#) page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our [forum](#).

Technical Details

Dimensions	0mm x 0mm x 0mm
Weight	G.W 11g
Battery	Exclude

ECCN/HTS

ECCN	Not Available
HSCODE	9025900090



