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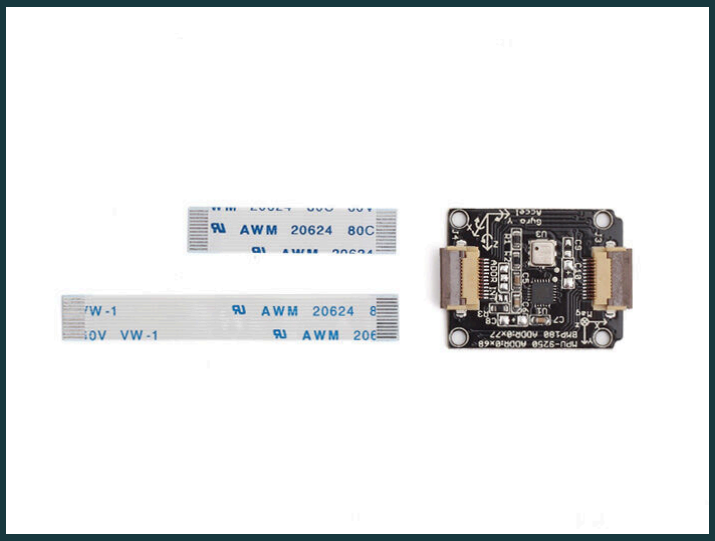
INDUSTRIAL PRODUCT DATASHEET

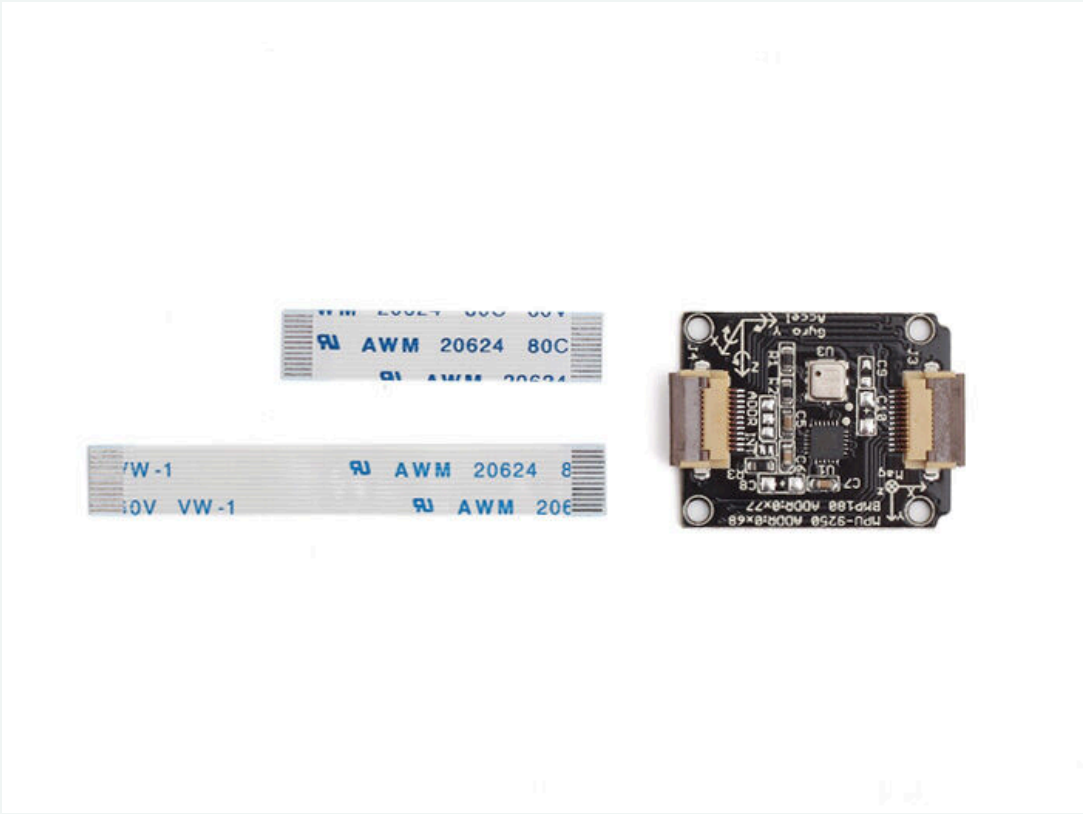
Xadow - IMU 10DOF

The Xadow - IMU 10DOF provides 10 Degrees of Freedom motion sensing with a 3-axis gyroscope, accelerometer, compass, and wide-range pressure sensor.

SKU	UPDATED	PRICE
101040004	2024-08-09 01:56:41	$16.90(Excl. VAT)



Overview



The Xadow - IMU 10DOF is a 10 Degrees of Freedom inertial measurement unit featuring a 3-axis gyroscope, 3-axis accelerometer, 3-axis compass, and a pressure sensor. It offers programmable full-scale ranges for gyroscope and accelerometer, with pressure detection from 300 to 1100 hPa.

Key Features

01 - 10 Degrees of Freedom

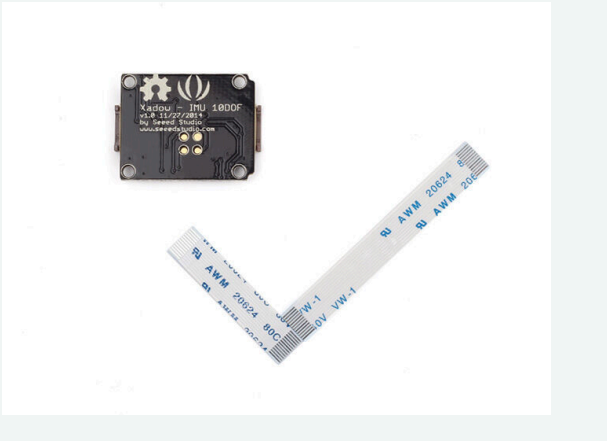
02 - 3-Axis angular rate sensor (gyro) with a sensitivity up to 131 LSB and a full-scale range of ±250, ±500, ±1000, and ±2000dps

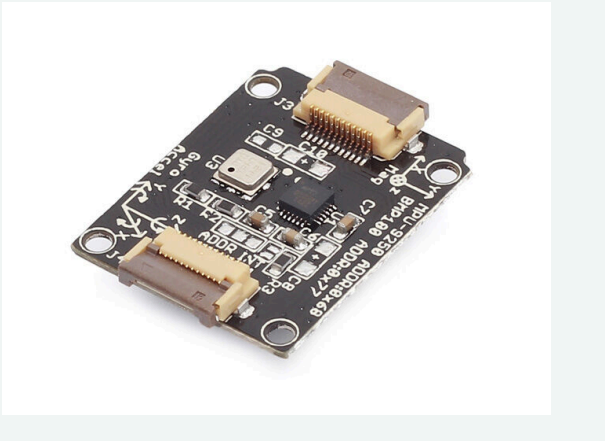
03 - 3-Axis accelerometer with a programmable full scale range of ±2g, ±4g, ±8g and ±16g

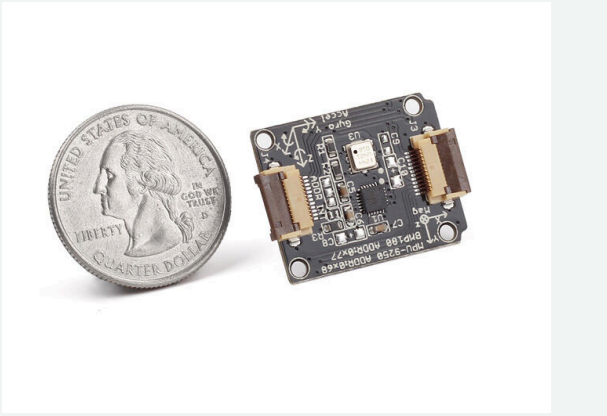
04 - 3-axis compass with a full scale range of ±4800μT

05 - Wide pressure detecting range of 300~1100hPa(+9000m ~ -500m relating to sea level)

Product Gallery







Resource Links

- https://www.seeedstudio.com/Xadow-IMU-10DOF-p-2446.html
- Xadow - IMU 10DOF v1.0 eagle file
- IMU 10DOF library
- BMP180 datasheet
- MPU-9250 datasheet

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com