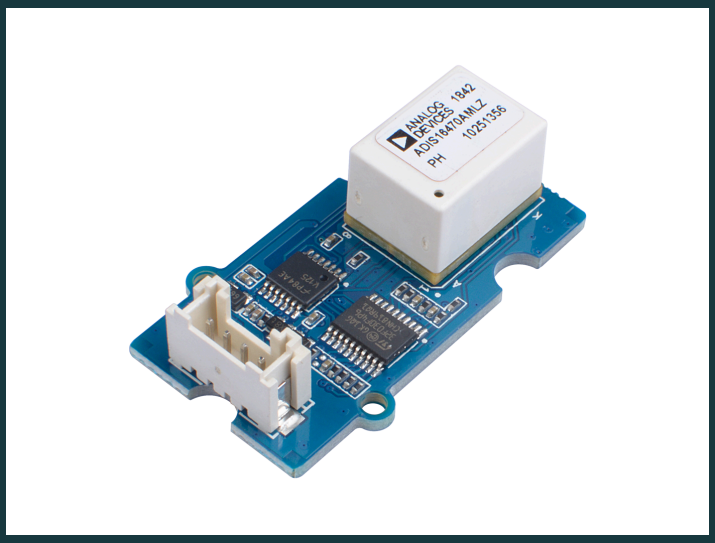
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Grove - 6-Axis Digital Accelerometer&Gyroscope ±40g (ADIS16470)

The Grove - 6-Axis Digital Accelerometer&Gyroscope ±40g (ADIS16470) is a wide dynamic range, 6-Axis Miniature MEMs sensor, which includes a triaxial gyroscope and a triaxial accelerometer.

SKU	UPDATED	PRICE
101020672	2026-11-11 08:13:23	$328.90(Excl. VAT)



Overview



The Grove - 6-Axis Digital Accelerometer&Gyroscope ±40g (ADIS16470) is a wide dynamic range, 6-Axis Miniature MEMs sensor, which includes a triaxial gyroscope and a triaxial accelerometer.

Key Features

01 **Triaxial, digital gyroscope, ±2000°/sec dynamic range, 0.008°/sec/√Hz rms rate noise density, 8°/hr in run bias stability**

02 **Triaxial, digital accelerometer dynamic range**

±40 g, 13 µg in run bias stability

03 **Factory calibrated sensitivity, bias, and axial alignment, Calibration temperature range**

−10°C to +75°C

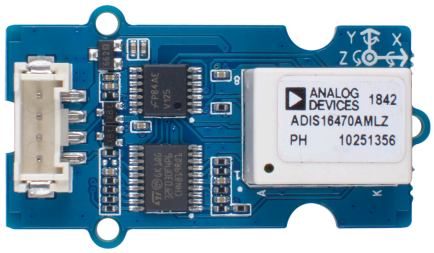
04 **2000 g mechanical shock survivability**

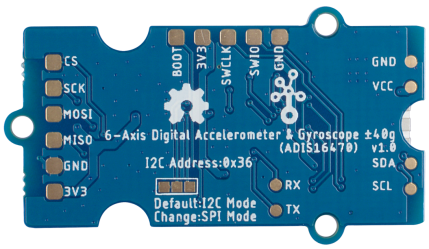
05 **On demand self-test of inertial sensors**

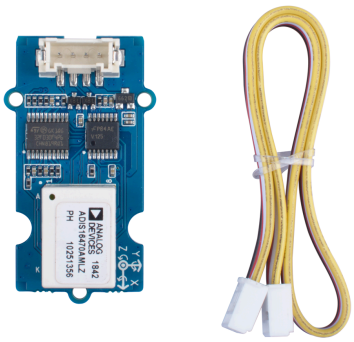
06 **On demand self-test of flash memory**

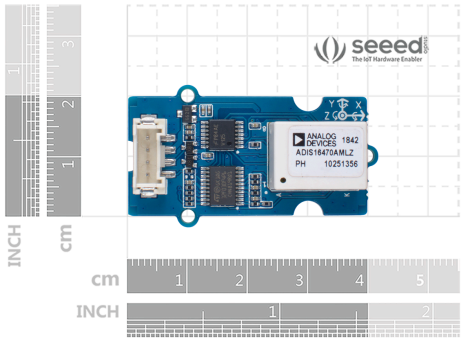
07 **Automatic and manual bias correction controls**

Product Gallery









Applications

- Navigation, stabilization, and instrumentation
- Unmanned and autonomous vehicles
- Smart agriculture/construction machinery
- Factory/industrial automation, robotics
- Virtual/augmented reality
- Internet of Moving Things

Resource Links

- https://www.seeedstudio.com/Grove-6-Axis-Digital-Accelerometer-Gyroscope-40g-ADIS16470-p-4036.html
- Github Library

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