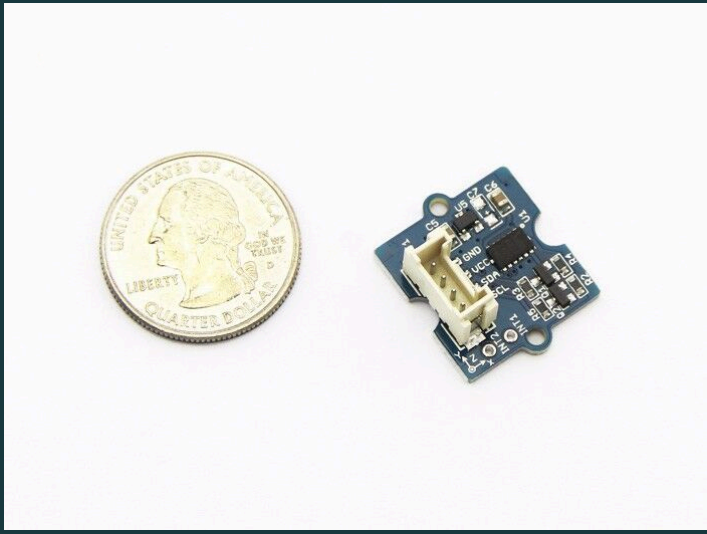
seeed studio

INDUSTRIAL PRODUCT DATASHEET

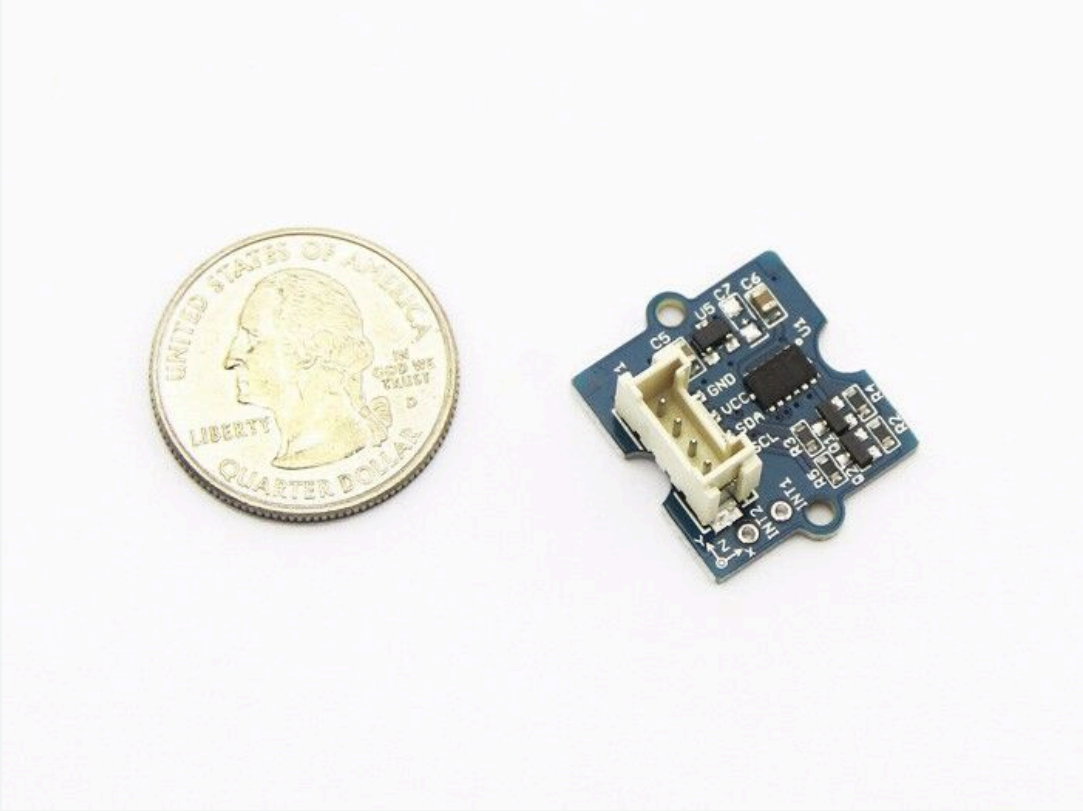
Grove - ADXL345 - 3-Axis Digital Accelerometer(±16g)

Grove - ADXL345: 3-axis digital accelerometer with ultralow power, multiple sensing capabilities, and robust 10,000 g shock survival.

SKU	UPDATED	PRICE
101020054	2026-04-15 08:22:59	$10.90(Excl. VAT)



Overview

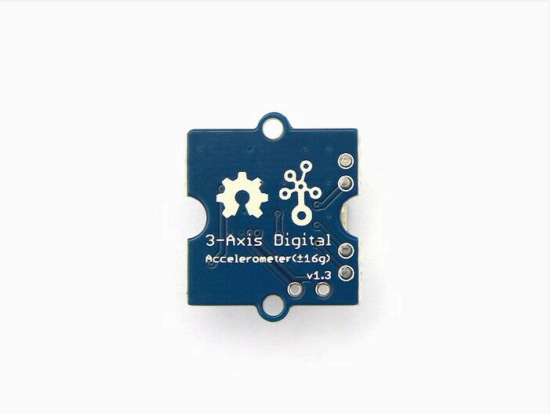


The Grove - ADXL345 is a 3-axis digital accelerometer with ±16g range, offering activity, inactivity, tap, and freefall sensing. It features ultralow power consumption (23 µA measurement, 0.1 µA standby at 2.5V), multiple interfaces including Grove I2C and SPI, and 10,000 g shock survival.

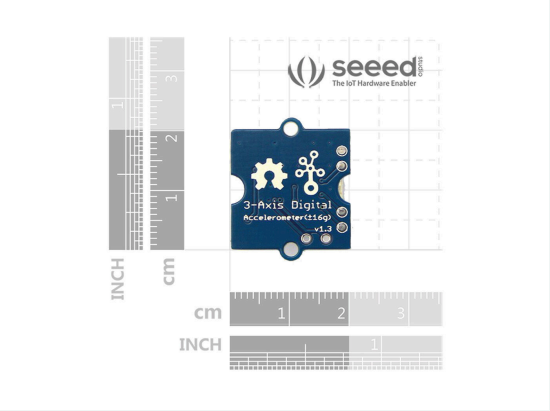
Key Features

- **3-axis sensing:** Provides Activity and inactivity sensing, Tap sensing and Freefall sensing detects
- **Ultralow power:** As low as 23 µA in measurement mode and 0.1 µA in standby mode at VS = 2.5 V (typical)
- **Multiple interface standard output options:** Grove I2C interface, SPI interface supported digital output
- **Strong compressive strength:** 10,000 g shock survival
- **Grove compatible interface:** The product ensures "Plug and Play" and could be versatile for various applications of Grove

Product Gallery







Specification

Dimensions	130mm x90mm x10mm
Weight	G.W 9g
Battery	Exclude

Part List

Grove - 3 Axis Digital Accelerometer(±16g)	1

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031808085
UPC	841454108870
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-3-Axis-Digital-Accelerometer-16g.html
- Eagle file.zip
- Suli-compatible Library
- ADXL345 datasheet.pdf
- github repository for 3-Axis Digital Accelerometer(±16g)
- Codecraft CDC File

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