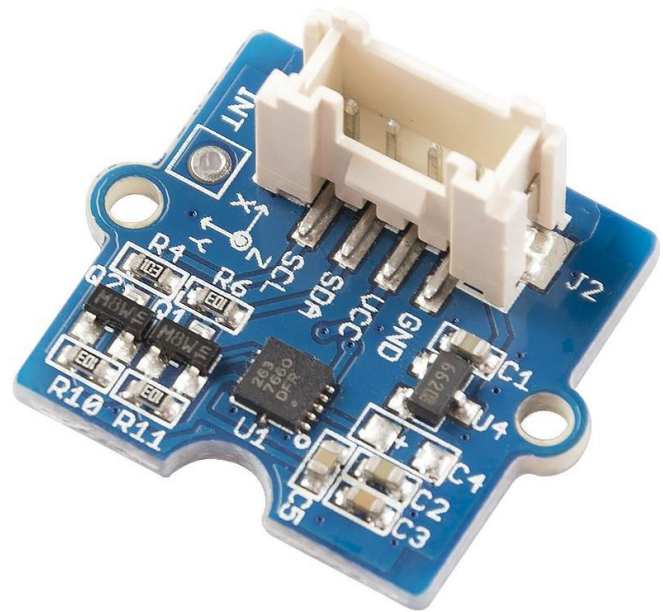


Grove - 3-Axis Digital Accelerometer($\pm 1.5g$)

SKU 101020039



PRODUCT DETAILS

This 3-axis Accelerometer module is based on MMA7660FC with Digital Output I2C. This Module can be used for sensing data changes, product orientation, and gesture detection through an interrupt pin (INT). It is a very low power, low profile capacitive MEMS sensor.

What are Accelerometers?

Accelerometers are electromechanical devices that measure acceleration, the rate of change in velocity of an object. It uses axis-based motion sensing, as a way of detection. In this blog, I'll be recommending the ADXL335 and ADXL356C accelerometers with a quick assessment of each through my buying guide.

Please check our related blogs to learn more about Accelerometers:

- [Accelerometer vs Gyroscope sensor, and IMU, how to pick one?](#)
- [Accelerometers Buying Guide and ADXL335 review](#)
- [Mems Accelerometers: Get Started, ADXL356, ADXL345 vs ADXL335](#)

Features

- Grove compatible interface
- 3 axis motion/orientation sensing
- Digital Output (I2C)
- 10,000 g shock survival
- RoHS/WEEE lead-free compliant
- 5VDC input

Application Ideas

- Motion Detection of Robot
- Mobile Phone/ PMP/PDA: Orientation Detection (Portrait/Landscape), Image Stability, Text Scroll, Motion Dialing, Tap to Mute

What is Grove?

[Grove](#) makes it easier to connect, experiment, and simplify the prototyping process. No jumpers or soldering required. We have developed more than 300 Grove modules, covering a wide range of applications that can fulfill a variety of needs. Not only are these open hardware, but we also have open-source software.

For all Grove users (especially beginners), we provide you the guidance PDF documents. Please download and read through [Preface - Getting Started](#) and [Introduction to Grove](#) before your use of the product.

Technical details

Dimensions	20mm x20mm x15mm
Weight	G.W 8g
Battery	Exclude

Part List

Grove - 3-Axis Digital Accelerometer($\pm 1.5g$)	1
Grove - Cable	1

ECCN/HTS

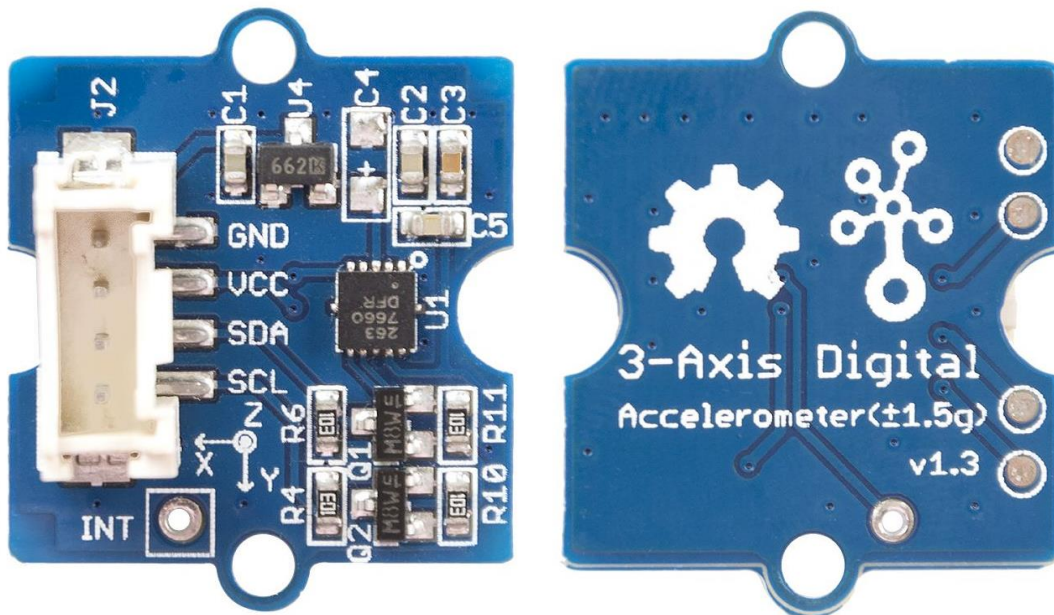
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USHSCODE	90230000
UPC	841454108887

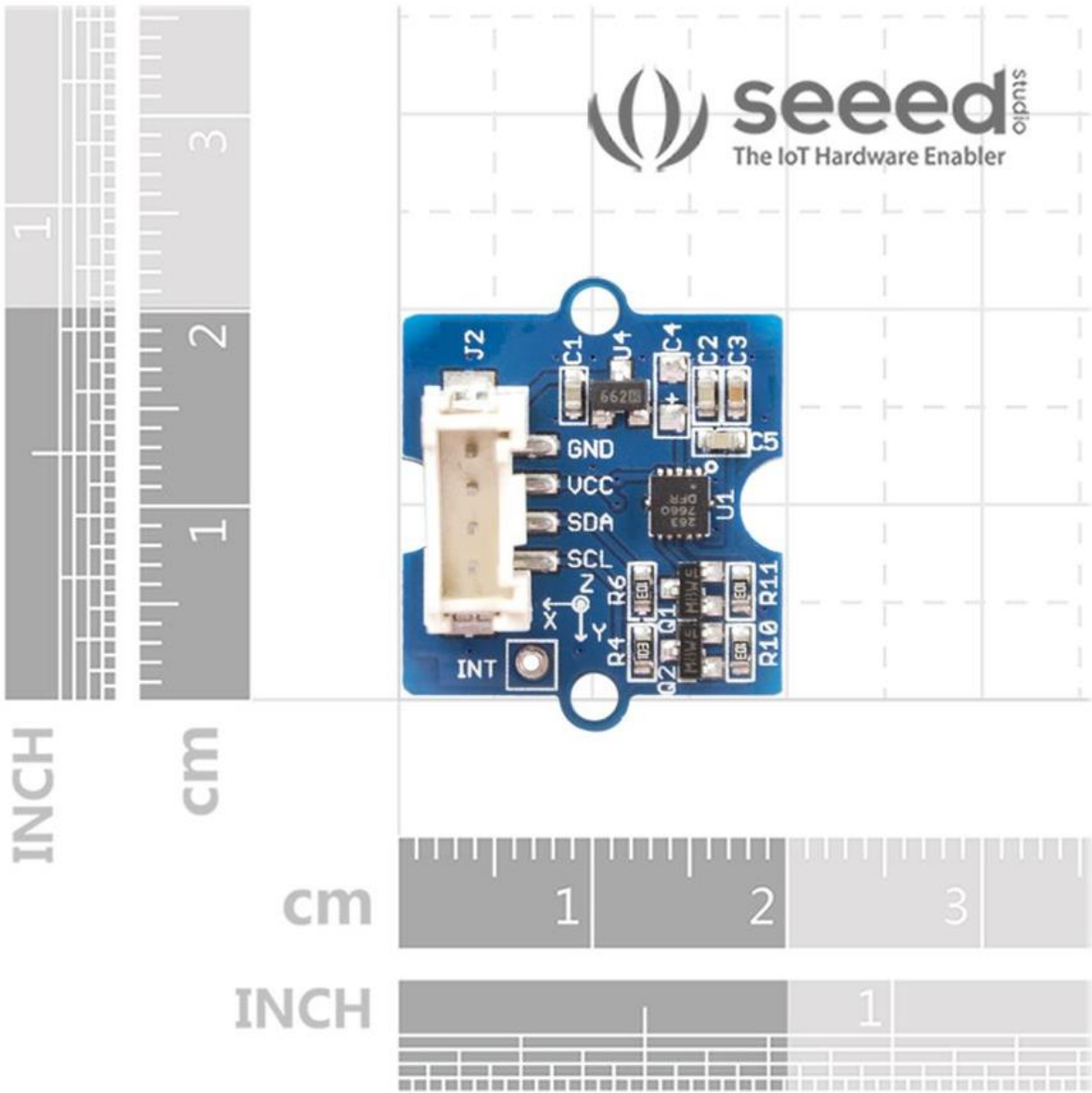
LEARN AND DOCUMENTS

Documentations

Resources

- [Datasheet of MMA7660FC](#)
- [Grove - 3-Axis Digital Accelerometer Eagle File](#)
- [github repository for 3-Axis Digital Accelerometer\(±1.5g\)](#)





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