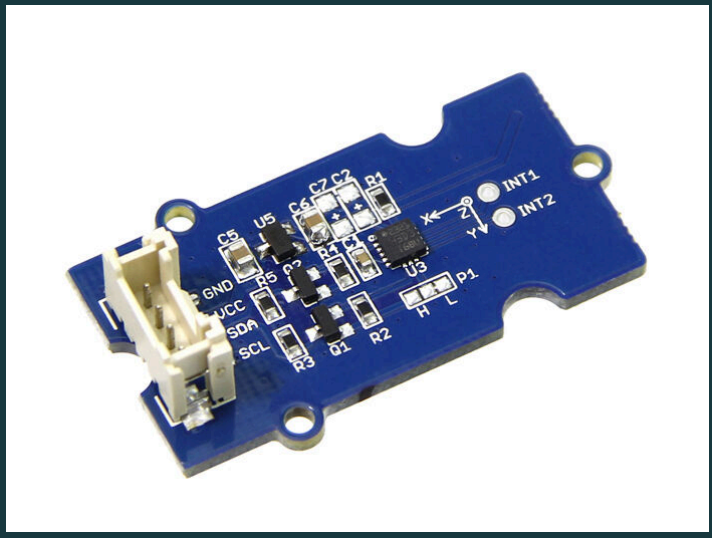
seeed studio

INDUSTRIAL PRODUCT DATASHEET

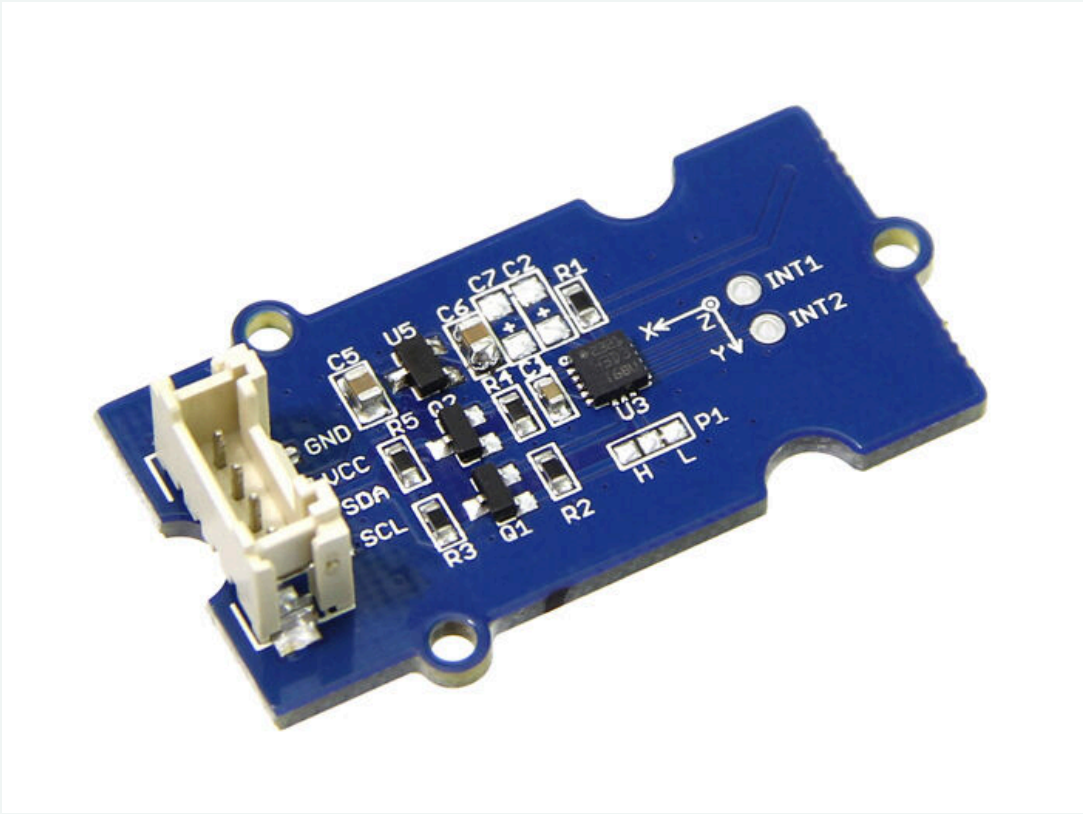
Grove - 3-Axis Digital Accelerometer(±400g)

The Grove - 3-Axis Digital Accelerometer(±400g) delivers 3-axis acceleration measurement up to ±400g with low power I2C interface and 10000 g shock survivability.

SKU	UPDATED	PRICE
101020071	2026-04-15 08:08:39	$27.50(Excl. VAT)



Overview



The Grove - 3-Axis Digital Accelerometer(±400g) is built around the H3LIS331DL, a low-power 3-axis linear accelerometer with I2C digital output, supporting full scales from ±100g to ±400g and data rates from 0.5 Hz to 1 kHz. The device features ultra-low power operation (10μA typical at 3.3V), smart sleep/wake-up functions, and a wide 3.3V–5V supply range in a small 3×3×1 mm package.

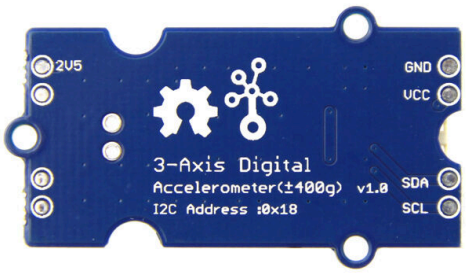
Key Features

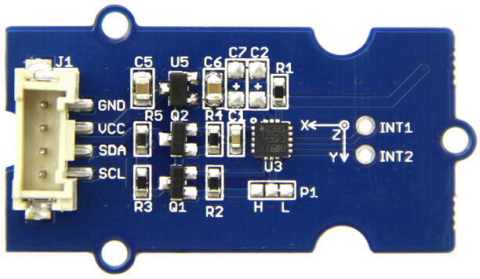
The H3LIS331DL is a low power high performance 3-axis linear accelerometer belonging to the “nano” family, with digital I2C serial interface standard output. The device features ultra low power operational modes that allow advanced power saving and smart sleep to wake-up functions. The H3LIS331DL has dynamically user selectable full scales of ±100g/±200 g/±400 g and it is capable of measuring accelerations with output data rates from 0.5 Hz to 1 kHz.

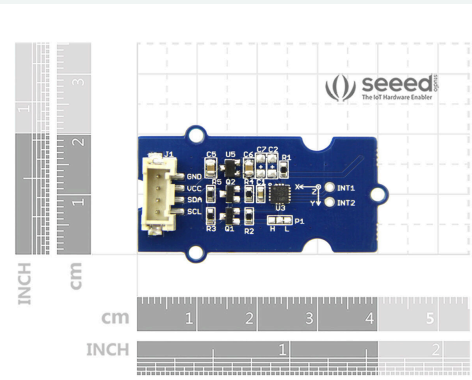
Features

-
- Wide power range DC3.3V to 5V
-
- Grove outline
-
- 3 axis sensing
-
- Small, low-profile package: 3×3×1mm TFLGA
-
- Low power 10μA at 3.3V (typical)
-
- ±100g /±200 g /±400 g dynamically selectable full scale
-
- I2C digital output interface
-
- 10000 g high shock survivability
-
- ECOPACK®RoHS and “Green” compliant

Product Gallery







Part List

Grove - 3-Axis Digital Accelerometer(±400g)	1

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031902100
UPC	841454108863
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-3-Axis-Digital-Accelerometer-400g.html
- Grove - 3-Axis Digital Accelerometer(±400g) Eagle File
- github repository for 3-Axis Digital Accelerometer(±400g)
- H3LIS331DL Datasheet PDF

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