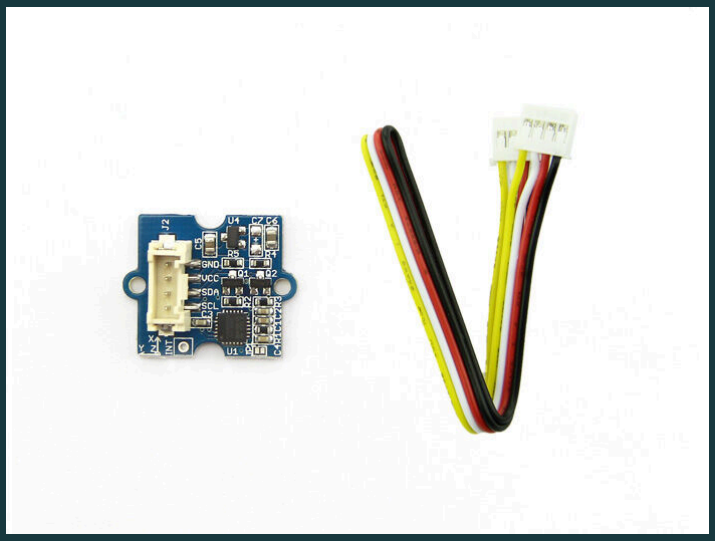
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INDUSTRIAL PRODUCT DATASHEET

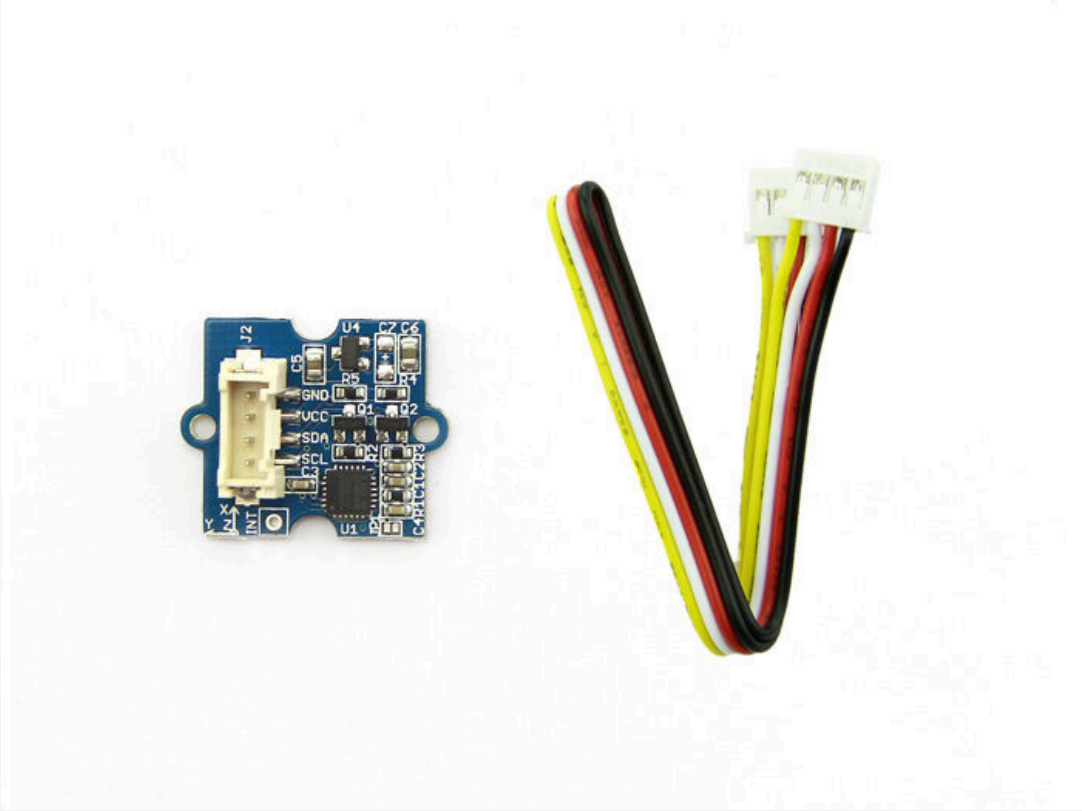
Grove - 3-Axis Digital Gyro

The Grove - 3-Axis Digital Gyro is an ITG 3200-based Grove compatible 3-axis digital gyro with I2C interface, ±2000°/sec range, and low power consumption.

SKU	UPDATED	PRICE
101020050	2026-10-09 08:08:47	$21.90(Excl. VAT)



Overview



The Grove - 3-Axis Digital Gyro is based on the ITG 3200, the world's first single-chip, digital-output, 3-axis MEMS motion processing gyro optimized for gaming, 3D mice, and motion-based remote control applications. It features a Grove compatible interface, Fast Mode I2C (400 kHz) serial interface, ±2000°/sec full scale range and 14.375 LSBs per °/sec sensitivity, low 6.5 mA operating current for long battery life, on-chip temperature sensor, integrated amplifiers and low-pass filters, and is RoHS and Green compliant.

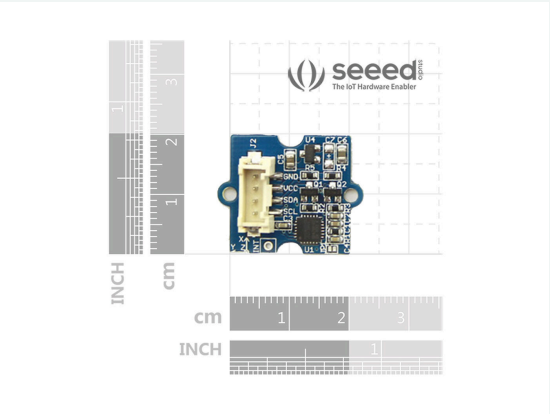
Key Features

Grove - 3-axis Gyro module based on ITG 3200. It is the world’s first single-chip, digital-output, 3-axis MEMS motion processing gyro optimized for gaming, 3D mice, and motion-based remote control applications for Internet connected Digital TVs and Set Top Boxes.

Features

- Grove compatible interface
- Digital-output X-, Y-, and Z-Axis
- Fast Mode I2C(400KHZ) serial interface
- ±2000°/sec full scale range and 14.375 LSBs per °/sec sensitivity
- Low 6.5mA operating current for long battery life
- On-chip temperature sensor
- Integrated amplifiers and low-pass filters
- RoHS and Green compliant

Product Gallery



Part List

Grove - 3-Axis Digital Gyro	1
Grove Cable	1

Compliance & Logistics



HSCODE	8538900000
USHSCODE	8538901000
UPC	841454108849
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-3-Axis-Digital-Gyro.html
- Datasheet of ITG-3200.
- Grove - 3-Axis Digital Gyro Eagle File
- Digital Gyro Library

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