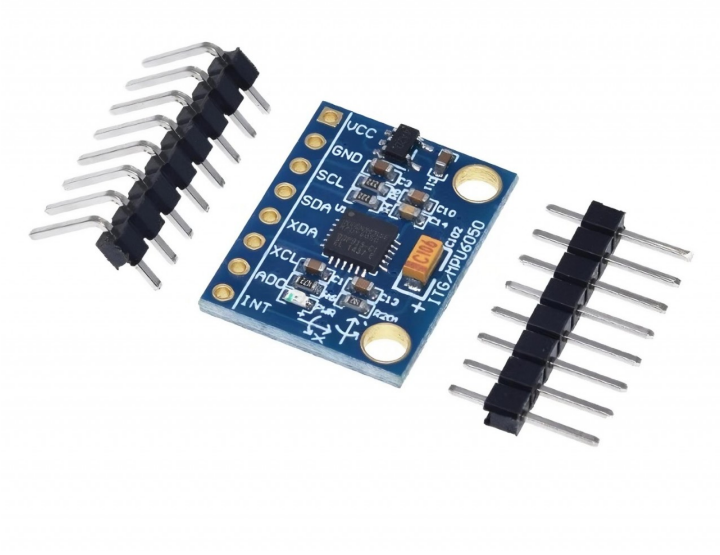
GY-521 3 Achsen MPU-6050 Beschleunigungssensor / Gyroskop / Accelerometer



Artikel-Nr.:	GY-521
Hersteller:	Frei
EAN:	4251266702566
Herkunftsland:	China
Zolltarifnummer:	84733020
Gewicht:	0.001 kg

Technische Daten
- MPU-6050 module (three axis gyro + three axis acceleration)
- Power supply: 3-5v (internal low voltage difference)
- Communication: the standard IIC communication protocol
- Chip with built-in 16bit AD converter, 16 bit data output
- Gyro scope:± 25050010002000° /s
- Acceleration range: + 2 + 4 + 8 + 16g

Beschreibung Chipsatz
MPU-6000 is the worlds first integrated 6 axis motion processing components, compared to multiple component solutions, from the combination of gyro and accelerator axis difference problem, reducing the amount of packaging space. MPU-6000 integrates 3 axis gyroscope, 3 axis accelerator, and with the second I2C ports connected to other brands of accelerator, magnetic sensor, or other sensor digital motion processing (DMP: Digital Motion Processor) hardware acceleration engine, mainly I2C port to a single data stream to the application form, output complete 9 axes fusion routing technology

InvenSense motion processing database, can deal with motion sensing of complex data, reduces the motion processing operations on the operating system of the load, and provides a framework for application and development of API.

MPU-6000 angular velocity the whole grid sensing range is ± 250,± 500,± 1000 and± 2000° /sec (DPS), can accurately catch Zong of fast and slow movements, and a user programmable control of the accelerator, the whole grid sensing range is ±2G,±4G ±8g and ± 16g. The product can be up to 400kHz transmission through I2C or up to 20MHz SPI.

MPU-6000 can be in different voltages, VDD power supply voltage medium was 2.5V ± 5%, 3.0V ± 5% or 3.3V± 5%, VVDIO logical interface power supply for 1.8V ± 5%. The MPU-6000 package size 4x4x0.9mm (QFN), the industry was revolutionized by the size. Other features include a built-in temperature sensor, included in the operation environment is only± 1% variable oscillator.

Anwendungsbeispiele
- Motion sensing games
- Augmented reality
- Electronic & optical image stabilization

Lieferumfang
1x GY-521 Modul
2x Stiftleiste (1x gerade, 1x 90° gewinkelt)

Alle hier aufgeführten Namen und Zeichen sind Eigentum des jeweiligen Herstellers. Druckfehler, Änderungen & Irrtümer vorbehalten.

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