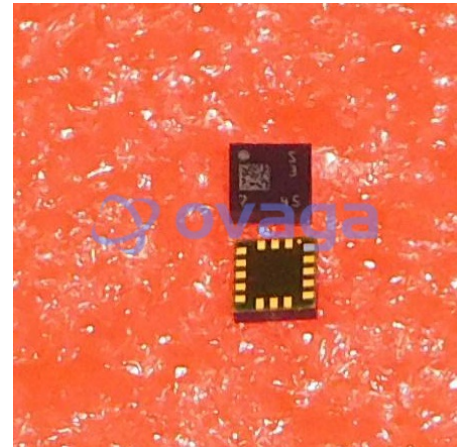


MEMS MODULE, 3-AXIS GYRO/ACCEL, MEMS Module Function: Tri-Axis Gyroscope, Tri-Axis Accelerometer, Supply Voltage Min: 1.71V, Supply Voltage Max: 3.6V, Gyroscope Range: 125 /s

Manufacturers	STMicroelectronics, Inc
Package/Case	LGA16
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LSM6DS33TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LSM6DS33TR is a 6-axis Inertial Measurement Unit (IMU) manufactured by STMicroelectronics. It combines a 3-axis gyroscope and a 3-axis accelerometer in a single package.

Features

Wide supply voltage range: 1.71V to 3.6V

Low power consumption: 0.9 mA in combo normal mode and 1.25 mA in combo high-performance mode up to 1.6 kHz

High sensitivity: $\pm 2/\pm 4/\pm 8/\pm 16$ g full scale for accelerometer and $\pm 125/\pm 250/\pm 500/\pm 1000/\pm 2000$ dps full scale for gyroscope

Digital output: I2C/SPI serial interface

Built-in temperature sensor

Programmable interrupts

Self-test function

Application

Motion tracking and detection in smartphones, tablets, and wearable devices

Navigation and stabilization in drones, robots, and other autonomous vehicles

Fitness tracking and health monitoring in smartwatches and other wearable devices

Virtual and augmented reality applications

Gaming controllers



Related Products



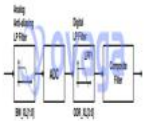
[LSM6DSOWTR](#)

STMicroelectronics, Inc



[LS5060B](#)

STMicroelectronics, Inc
DIP-8



[LSM6DS3](#)

STMicroelectronics, Inc
LGA14



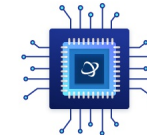
[LSM6DS3TR](#)

STMicroelectronics, Inc
LGA-4



[LSM6DS0TR](#)

STMicroelectronics, Inc
LGA-16



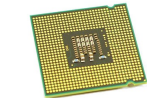
[LSM303AH](#)

STMicroelectronics, Inc



[LSM6DSDTTR](#)

STMicroelectronics, Inc
LGA14



[LSM303CTR](#)

STMicroelectronics, Inc
LGA-12