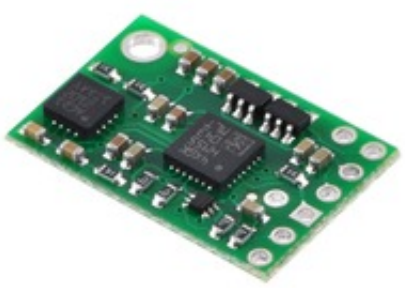
MinIMU-9 Gyro, Accelerometer, and Compass (L3G4200D and LSM303DLM Carrier)






Pololu item #: 1265 **259** in stock

Price break	Unit price (US$)
1	**49.95**
10	44.96

Quantity: 1
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The Pololu MinIMU-9 is an inertial measurement unit (IMU) that packs an L3G4200D 3-axis gyro and an LSM303DLM 3-axis accelerometer and 3-axis magnetometer onto a tiny 0.9″ × 0.6″ board. An I²C interface accesses nine independent rotation, acceleration, and magnetic measurements that can be used to calculate the sensor's absolute orientation. The MinIMU-9 board includes voltage regulators and a level-shifting circuit that allows operation from 2.6 to 5.5 V, and the 0.1″ pin spacing makes it easy to use with standard solderless breadboards and 0.1″ perfboards.

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Description Specifications (8) **Pictures (6)** **Resources (7)** **FAQs (1)**

Dimensions

Size:	0.9″ × 0.6″ × 0.1″[1]
Weight:	0.9 g[1]

General specifications

Interface:	I²C
Minimum operating voltage:	2.6 V
Maximum operating voltage:	5.5 V
Axes:	pitch (x), roll (y), and yaw (z)
Measurement range:	±250, ±500, or ±2000°/s (gyro) ±2, ±4, or ±8 g (accelerometer) ±1.3, ±1.9, ±2.5, ±4.0, ±4.7, ±5.6, or ±8.1 gauss (magnetometer)
Supply current:	10 mA

Notes:

1 Without included hardware.