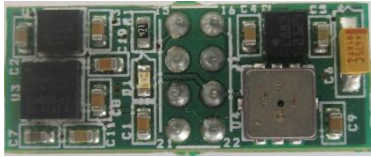




genesis of innovation

# Brigosha Technologies

## Sensor Card (BTAMGPV20)



The **Sensor Card** by Brigosha Technologies is mounted with the MEMS sensors: Accelerometer, Gyroscope, Magnetometer and Static Pressure Sensor. Sensor data can be read-out, displayed and captured. The Sensor Card can be plugged into the Embedded Learning Board's daughter card header and sensor data can be read thereafter.

### Applications

- ☐ High accuracy tilt sensing (level meter)
- ☐ Vertical velocity indication (rise/sink speed)
- ☐ Motion-based 3D mice and 3D remote controls
- ☐ Enhancement of GPS navigation (dead-reckoning, slope detection, etc.)
- ☐ Health and sports monitoring
- ☐ Gesture recognition
- ☐ Weather forecast
- ☐ E-compass
- ☐ Cell phones
- ☐ Robotics

### Key Features

- ☐ Comes with a 3-Axis Digital Accelerometer, 3-Axis Digital Gyroscope, 3-Axis Digital Magnetometer and Digital Static pressure sensor
- ☐ Measures the acceleration of an object which it experiences relative to free fall
- ☐ Outputs the angular velocity of the device on which it is mounted about X, Y, and Z-Axis
- ☐ Measures both the direction and the magnitude of Earth's magnetic field, from milli-gauss to 8gauss
- ☐ Pressure range: 300 to 1100hPa (+9000m to -500m above sea level)
- ☐ Delivers uncompensated values of Temperature and Pressure
- ☐ Sensors can be used in strong magnetic field environments with a 1 to 2 Degree Compass Heading Accuracy
- ☐ Enhanced bias and sensitivity, temperature stability reduces the need for user calibration
- ☐ Digital Interface: I2C
- ☐ LED for status indication of Power
- ☐ Customer programmable g-ranges (+-2g,+4g,+8g)
- ☐ Supply voltage: 3.3 V
- ☐ Comes with a comprehensive user guide and sample codes to get started
- ☐ Software and Algorithm support available

**For more information, Contact us @**

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