

SOC Robotics Introduces 10 DOF Inertial Measurement System

VANCOUVER – Aug 28, 2011 - SOC Robotics is pleased to announce the release of a 10 Degree Of Freedom Inertial Measurement Unit platform – the IMU6410 with 3-axis accelerometer, 3-axis rate gyro, 3-axis magnetometer and barometric pressure sensor. The onboard ATmega1284P processor and 1Mbyte external serial flash allows the IMU6410 to log 10DOF sensor data in real time in mobile applications. A rudimentary AHRS is included based on a complementary filter. Complete source code is provided based on the AVR Studio 4.19 IDE.

Availability and Pricing

The IMU6410 MEMs Sensor Platform is available now for \$99.99 in single quantities representing one of the best values in the MEMs sensor area. A 9 DOF version is available for \$89.95. A daughter card is underdevelopment with ANT wireless and microSD connector. The daughter card will also have a pad for mounting an ATxmega processor to provide real time PWM and related motion control functions.

About SOC Robotics

SOC Robotics (SOC) designs and manufactures advanced electronic and electro-mechanical systems for the global robotics and embedded-systems markets. SOC has a broad portfolio of intellectual property (IP) designed in-house that embraces embedded DSP, motion control, web server, vision processing and sensor technologies. Customers worldwide include universities, researchers, industrial engineers, military test labs, consumer electronics and security companies, rapid prototype PCB developers and medical device engineers. SOC Robotics products, tools, and software modules are uniquely inter-operable and end user programmable with rich-feature sets. SOC components combine to create an array of cost effective robotic systems that perform with industrial level accuracy. Products include SCARA, SMT, and Solder robots and linear actuators together with proprietary and open-source software modules. Customers may embed SOC electronics into their own products or industrial processes, or assemble individual components to create turnkey robotic systems for industrial, tactical, or educational applications.

Press Contact:

[Press Inquiries](#)

SOC Robotics, Inc.

225 East 20th Street
North Vancouver, BC V7L 3A6
Canada
TEL: (604) 628-7227 FAX: (604) 608-5588

For more information: info@soc-robotics.com

