



FOR IMMEDIATE RELEASE

Easy Implementation of Motion-Based Features with Kionix's KXTF9 Accelerometer

Ithaca, New York – Monday, February 8, 2010 – Engineers at Kionix, Inc., a global leader in the design and fabrication of high-performance, silicon-micromachined MEMS inertial sensors, have produced the valuable documentation that will help developers become proficient in using the embedded algorithms and features of the KXTF9 tri-axis accelerometer.

Application Note AN023, "Getting Started with the KXTF9," will save engineers valuable time by helping them navigate through the details of the KXTF9 technical specifications.

According to Eric Eisenhut, Vice President of Sales Marketing at Kionix, the intricacies of consumer electronics and the expanding role of sensors in electronic products has resulted in the accelerometer's evolution into more of a system than, what historically had been, just a sensor. "Due to increased device complexities, we want to assist our customers' design efforts by simplifying the path to understanding the embedded features of our KXTF9," said Eisenhut. "AN023 summarizes the key features, namely *Directional Tap/Double-Tap™*, tilt positioning, high- and low-pass filter settings, selectable g-range, and the means of controlling these features, all in a straightforward format for our engineering customers."

These initial conditions are just the beginning of the application development process, however. The Application Note offers ten pages of specific instruction, from the basics of part set-up to digital engine configuration, helpful tips, and trouble-shooting guidelines that lead ultimately to a better understanding of the accelerometer's overall capabilities.

Like its sister product, Kionix's KXTE9 accelerometer, the KXTF9 is compatible with Kionix's USB Development Kit (part number USBDEVKIT), which can be used to originate applications and firmware. The utilities supported by the Kit include SensorScope to monitor data coming from the sensor, SensorCalc to test and calculate zero-g offset and sensitivity, SensorMap to read and write to specific registers of the accelerometer, motion to test for activity on any axis, and rotation to monitor orientation.

Availability

Application Note, AN 023, is available on the Kionix website at <http://www.kionix.com/sensors/application-notes.html>. The USB Development Kit (USBDEVKIT) is suitable currently for the KXTF9-2050, KXTE9-2050 and KXSD9-2050 accelerometers and is available through Kionix at salesna@kionix.com.

About Kionix

Kionix, Inc., located in Ithaca, New York, USA, is a wholly-owned subsidiary of ROHM Co., Ltd. of Japan. The Company pioneered high-aspect ratio silicon micromachining based on research originally conducted at Cornell University, and today enjoys a global reputation for MEMS product design, process engineering, and quality manufacturing. Consumer electronics leaders worldwide utilize Kionix's products, development tools, and application support to enable motion-based gaming, user-interface functionality in mobile handsets, personal navigation, and hard disk drop protection in mobile products. Kionix's MEMS products are further diversified into the automotive, industrial, and health care sectors. Kionix offers one of the industry's broadest families of MEMS devices that incorporate tri-axis accelerometers and gyroscopes along with the mixed-signal-interface integrated circuits that provide algorithm processing of sensor data. Kionix is ISO9001:2000 and TS16949 registered. For more information on Kionix visit <http://www.kionix.com>. For additional information on ROHM visit <http://www.rohm.com>.

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