



FOR IMMEDIATE RELEASE

Getting the Most out of Kionix's KXTE9 Accelerometer

Ithaca, New York – Monday, September 28, 2009 – Kionix engineers have created an application note to help developers implement proof-of-concept designs using the KXTE9 tri-axis accelerometer. Application note AN 022, "Getting Started with the KXTE9," provides information helpful to the full realization of the accelerometer's potential.

The application note results from the collaboration of in-house and field applications engineers under the direction of Scott Miller, Ph. D., Director of Applications Engineering. "We realize that engineers getting a new part don't always have the time to read through all of the details in the product specification," Miller explained. "We wanted to provide them with the means to quickly configure the part to a known operational state. The app note takes developers through the initialization of the three main modes of operation: reading acceleration data, activating the tilt-position function, and activating the motion-detection function. These initializations just provide a starting point, and the developers can spend more time refining the settings to meet their application requirements."

AN 022 provides guidance on eight possible interrupt configurations and digital engine operation for motion detection and tilt functionality. It also offers trouble-shooting tips to support developers through common oversights.

The KXTE9 accelerometer 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 022, 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 KXTE9-2050 and KXSD9-2050 accelerometers and is available through Kionix at salesna@kionix.com.

About Kionix

Kionix was founded in 1993, is privately-held, and is located in Ithaca, New York, USA. 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 high-quality, high-volume manufacturing. Consumer electronics leaders worldwide utilize Kionix's technology for motion-based gaming, gesture recognition and user-interface operations in mobile handsets, personal navigation, and free-fall detection in ultra-mobile PCs, laptops, and hard disk drives. Kionix's MEMS products are further diversified into the automotive, industrial, and health care sectors. The Company offers one of the industry's broadest families of MEMS inertial sensors including single-, dual-, and tri-axis accelerometers, gyroscopes, and unique combination sensors. System integration of Kionix inertial sensors is simplified through analog or standard digital bus communication (I²C and SPI) between a host microcontroller and the sensor, as well as by the increasing level of functional algorithms that Kionix is integrating into its products. Kionix is ISO9001:2000 and TS16949 registered. For more information visit www.kionix.com.

Contact:

Kionix, Inc.
36 Thornwood Drive
Ithaca, New York 14850 USA
(607) 257-1080
www.kionix.com

Jeanette P. Shady
Director, External Communications
jshady@kionix.com

Edward Brachocki
Director, Marketing
ebrachocki@kionix.com