



Kionix Announces the Industry's Thinnest Class of Accelerometers

Full functional tri-axis accelerometers KX112 and KXCJB are suitable for mobile, wearable, health/medical and light-industrial applications.

Ithaca, NY and Kyoto, Japan – December 18, 2014 – Leading MEMS manufacturer, [Kionix, Inc.](#), announced today the industry's first ultra-thin full-functional tri-axis accelerometers: the [KX112](#) (2x2x0.6mm) and [KXCJB](#) (3x3x0.45mm).

“Among the many innovations and numerous firsts in the company's history, Kionix was first to develop the tri-axis accelerometer in 2004, followed by introduction of the first ‘thin’ 0.7mm tri-axis accelerometer in 2013,” said Nader Sadrzadeh, President and CEO of Kionix. “We're constantly pushing physical and technological barriers. Our proprietary technology has allowed us to break boundaries once again to introduce a new lineup of full-featured ‘ultra-thin’ low-power accelerometers. While these initial products (the KX112 and KXCJB) are suited primarily for mobile, PC/tablet and wearable applications, we'll continue to expand the portfolio to include automotive and heavy-duty industrial applications as we enter into 2015.”

About the [KX112](#): The KX112 is part of Kionix's flagship family of tri-axis accelerometers. It is the thinnest 2x2 accelerometer available, measuring only 2mm x 2mm x 0.6mm thick, making it particularly well-suited for the compact designs required in the health, medical and wearable markets. Remarkably, in addition to its ultra-thin compact design, it is one of the most full-featured accelerometers available. With 16-bits of resolution and excellent stability, it features built-in digital algorithms for detecting motion for power management, free fall for device protection or warranty monitoring, an orientation engine for portrait/landscape detection, and tap/double-tap for user interface functionality. It also incorporates Kionix's FlexSet technology, allowing fine granularity for balancing power and performance. Most notably, the KX112 has the largest FIFO/FILO buffer available on a mass-produced accelerometer. With 2048 bytes available, the rest of the system can sleep while it's recording more data than any other accelerometer on the market, enabling superior power-savings and event context.

About the [KXCJB](#): The KXCJB is the thinnest accelerometer available in any footprint, measuring just 3mm x 3mm x 0.45mm thick. It supports the drive for

thinner smartphones, tablets, PCs and hard disk drives as well as compact wearables such as activity monitors and smartwatches. The unique form-factor is *half the thickness* of most accelerometers on the market. This brings the ability to embed motion detection and motion sensing capabilities into a host of new devices such as badges, access cards, and payment/smart cards, while also opening up possibilities of maintaining low profiles when mounting on or in glass, plastic and other thin structures.

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About Kionix

[Kionix, Inc.](#), a global MEMS inertial sensor manufacturer based in Ithaca, NY, USA, offers high-performance, low-power accelerometers, gyroscopes, and 6-axis combination sensors plus comprehensive software libraries that support a full range of sensor combinations, operating systems and hardware platforms. Leading consumer, automotive, health and fitness and industrial companies worldwide use Kionix sensors and total system solutions to enable motion-based functionality in their products. Kionix is ISO 9001:2008, TS 16949, and TS 14001:2004 certified. Kionix is a wholly owned subsidiary of [ROHM Co., Ltd.](#)