

## **Epiq Solutions Announces the Maveriq™ Multichannel Software Defined Radio**

Schaumburg, IL October 22, 2013 – [Epiq Solutions](#), an engineering firm specializing in the development of flexible wireless communications systems, has announced their [Maveriq™](#) software defined radio (SDR). Maveriq is a standalone multichannel radio processing platform, integrating multiple RF front ends covering a tuning range from 70 MHz to 6 GHz, FPGA fabric for signal processing, and a dual-core Intel® x86 CPU running Linux. The entire platform measures only 9.1" x 6.6" x 1.7", enabling a new class of signal processing in a small portable package.

“Maveriq provides a significant step up in capability compared to other SDR products on the market”, noted John Orlando, CEO at Epiq Solutions. “Supporting up to four RF receivers, along with an on-board FPGA and x86 CPU for signal processing tasks, Maveriq opens up a broad market for processing the multitude of current and future wireless standards.”

Maveriq utilizes Analog Devices' [AD9361](#), an integrated RFIC supporting 2x2 MIMO operations and a broad RF tuning range from 70 MHz to 6 GHz. “Maveriq exemplifies the potential of SDR with the AD9361, combining our flexible RF IC with a complete baseband processing solution in the same package”, said Dave Babicz, director, Global Alliances, Analog Devices. “The AD9361 offers a support ecosystem to drive next-generation software defined radio designs at up to three times the noise performance of the competition with significantly reduced BOM costs.”

In addition to the on-board processing capabilities, Maveriq also includes an internal solid state drive for RF recording/playback, and a gigabit Ethernet port for interfacing to external processing systems. Signal processing frameworks such as [GNU Radio](#) can run natively on Maveriq's x86 CPU, further enhancing the capabilities of the system.

Maveriq is available in two different variants:

- Maveriq-001: Includes an RF card supporting four RF receivers (available now)
- Maveriq-002: Includes an RF card supporting 2x2 MIMO transmit + receive (available in 1Q2014)

Orders for both variants of Maveriq are currently being accepted. For more information, please visit <http://www.epiqsolutions.com/maveriq>.

### **About Epiq Solutions**

Epiq Solutions designs and builds state-of-the-art wireless systems for both commercial and government applications. These applications include the detection, classification, and location of radio emitters, as well as real-time processing and decoding of Layers 1, 2, and 3 for numerous wireless radio standards (including 2G/3G/4G cellular). For more information regarding Epiq Solutions' products and services, please visit <http://www.epiqsolutions.com>.

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