

QuickLogic Introduces EOS S3 Sensor Processing SoC Reference Design Platform

SUNNYVALE, CA -- (Marketwired) -- 03/14/16 -- QuickLogic Corporation (NASDAQ: QUIK)

- *Includes QuickLogic EOS S3 Sensor Processing System-on-Chip (SoC)*
- *Supports Sensory voice triggering and voice recognition*
- *Incorporates environmental sensors, inertial sensors, light sensors, and multiple high-performance microphones*
- *Connects directly to Google Nexus 5 Smartphone*
- *Supports Android Lollipop and Marshmallow operating systems*

QuickLogic Corporation (NASDAQ: QUIK), the innovator of ultra-low power programmable sensor processing solutions, today announced the introduction of its new EOS™ S3 Sensor Processing [SoC Reference Design Platform](#). The EOS S3 is the newest member of QuickLogic's ultra-low-power Sensor Processing family.

The flexibility of the reference design is driven by incorporation of QuickLogic's innovative multi-core EOS S3 processor and the support of a wide range of sensor types that include accelerometer, gyroscope, magnetometer, pressure, humidity, temperature, light, as well as PDM and I2S microphones. The integrated EOS S3 hardware-accelerated Low Power Sound Detector (LPSD) and PDM to PCM conversion hardware deliver Sensory's always-on voice trigger and voice recognition capabilities at up to 75% lower power consumption than the traditional software implementations that are commonly used today in smartphone, wearable and IoT designs.

The EOS S3 Sensor Processing SoC reference platform enables customers to efficiently evaluate QuickLogic's EOS S3 Sensor Processing Solutions and SenseMe™ Software Library capabilities as well as to develop their own algorithms. The complete reference design includes the EOS S3 sensor processing SoC, a development board with sensors, and connectivity to a Google Nexus 5 smartphone via microUSB. The system is supported by QuickLogic's Celeris Integrated Development Environment (IDE) Tool Suite and Eclipse plug-in software development environment with ARM® M4F support, and provides support for Android Marshmallow and Android Lollipop operating systems.

"By using this reference design, OEMs will not only accelerate time-to-market, but will also have the flexibility to incorporate, customize and evaluate always-on listening applications. They can either utilize QuickLogic's extensive SenseMe library of motion, context and gesture algorithms, or they can employ their own proprietary software stack into the platform," said Mao Wang, director of product marketing at QuickLogic.

Availability

QuickLogic's new EOS S3 Sensor Processing SoC reference design and SenseMe

algorithms are available today. For additional information, please visit http://www.quicklogic.com/eos_rd.

About QuickLogic

QuickLogic Corporation (NASDAQ: QUIK) is a semiconductor provider of ultra-low power, comprehensive, flexible sensor processing solutions enabling significantly longer battery life for the Smartphone, Wearable, and IoT markets. We are the only company integrating multi-core processing, programmable logic, sensor fusion and context aware algorithms, and embedded software. QuickLogic accelerates the pace of innovation for always-on motion, light, environmental, location, and voice-enabled user experiences. For more information about QuickLogic, visit www.quicklogic.com.

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