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AONI Bluetooth Headphones Incorporate QuickLogic EOS S3 Sensor Processing Platform

- | *Delivers always-on voice command trigger*
- | *Enables local, fast response voice processing*
- | *Ultra-low power, processing-efficient system provides extended battery life*

SUNNYVALE, Calif., Jan. 18, 2018 (GLOBE NEWSWIRE) -- QuickLogic Corporation (NASDAQ:QUIK), a developer of ultra-low power multi-core voice-enabled SoCs, embedded FPGA IP, display bridge and programmable logic solutions, today announced that Shenzhen AONI Electronic Ltd., a manufacturer of intelligent audio and video hardware has selected the company's EOS™ S3 multi-core voice enabled System on a Chip (SoC) for its Bluetooth®-enabled sport earphone and its Active Noise Cancelling (ANC) Bluetooth headphone set. Both products enable the wearer to use their voice to connect to Amazon Alexa Voice Services (AVS) and issue music control commands.

As Junko Yoshida of EE Times commented at CES 2018, voice is one of the three building blocks that will "compose the holy trinity of consumer electronic devices that will drive the market in 2018 and further into the future."

QuickLogic displayed the AONI Bluetooth-enabled earphone and headset with local voice command support for the Alexa Assistant in their demo suite at CES. The AONI Bluetooth headphones provide active noise cancellation technology to enable users to enjoy their music anytime and anywhere. Ergonomic design, easy adjustability, and long battery lifetimes further enhance the user's comfort and convenience.

"We selected QuickLogic's EOS S3 Sensor Processing Platform for its always-on voice trigger, fast response time, and ultra-low power consumption" said ShiJie Wu from AONI. "Their complete solution and excellent technical support enabled us to quickly and easily add voice control support to our sport earphone and headphone products at very low power levels."

"CES 2018 underscored that voice is the preferred interface for the consumer, enabling local control as well as access to cloud-based digital assistants. This is particularly true for hearable consumer products," said Brian Faith, QuickLogic's president and CEO. "The AONI Bluetooth sport earphone and ANC headphone set are excellent examples of such products and we were honored to be able to showcase their headphones in our demonstration suite at the show."

Availability

The EOS S3 Sensor Processing Platform from QuickLogic is available now and the AONI Bluetooth earphones and headsets with voice control plans to enter mass production later this quarter.

About EOS S3 Sensor Processing Platform

The EOS S3 voice-enabled sensor processor is a highly integrated SoC that is optimized for ultra-low power consumption and reduced latency for voice-enabled cloud-based service applications and is optimized for design flexibility. The multi-core design of EOS S3 enables it to be used as a host processor as well as a sensor processor. Power consumption in the always-listening mode is minimized by its hardware integrated Low Power Sound Detector (LPSD), which supports Sensory's TrulyHandsfree™ library. System level power consumption is further optimized by the EOS S3's dynamic power management technology. EOS S3 also includes an embedded FPGA (eFPGA), which enables unique design flexibility and can support post-production design revisions.

About QuickLogic

QuickLogic Corporation (NASDAQ:QUIK) enables OEMs to maximize battery life for highly differentiated, immersive user experiences with Smartphone, Wearable, Hearable and IoT devices. QuickLogic delivers these benefits through industry leading ultra-low power customer programmable SoC semiconductor solutions, embedded software, and algorithm solutions for always-on voice and sensor processing. The company's embedded FPGA initiative also enables SoC designers to easily implement post production changes, and increase revenue by providing hardware programmability to their end customers. For more information about QuickLogic, please visit www.quicklogic.com and <http://blog.quicklogic.com>.

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