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New Merced EOS S3AI HDK from QuickLogic Enables Fast AI Endpoint Solution Development

- Merced EOS S3AI Hardware Development Kit supports easy evaluation of EOS S3AI platform and QuickLogic's Time-Series AI Solution

- Includes a 90-day trial period for the SensiML Analytics Toolkit

- Delivers a practical end-to-end solution with minimal data science and firmware resources

SUNNYVALE, Calif., March 25, 2019 /PRNewswire/ -- QuickLogic Corporation (NASDAQ: QUIK), a developer of ultra-low power multi-core voice-enabled SoCs, embedded FPGA IP, and Endpoint AI solutions, today announced the launch of its Merced EOS™ S3AI Hardware Development Kit (HDK) to enable quick development of applications for endpoint Artificial Intelligence (AI) and Machine Learning (ML).

The Merced HDK is an evaluation platform for QuickLogic's EOS S3AI SoC and includes continuous (time-series) sensors accelerometer, gyroscope, magnetometer, and two digital microphones (PDM). It's an Arduino form-factor compatible development kit which makes it easy for developers to ramp up an AI design by easily adding different sensors or 3rd party modules. The HDK links directly with the SensiML™ Data Analytics Toolkit (free 90-day evaluation period included) which enables a seamless flow from sensor data collection all the way through automatic feature extraction and classifier development using integrated machine learning technology. The AI model binary file is directly programmed by the SensiML Toolkit into the EOS S3AI device on the HDK. The board can easily be updated via an on-board USB-2 UART connection to create demos and prototypes without additional time or resources. Additional sensors can be added to the HDK by way of the available connectors and accompanying SDK.

"The new Merced EOS S3AI Hardware Development Kit supports quick and easy AI development for a variety of endpoint IoT applications," said Sam Massih, director of product management at QuickLogic. "Its sophisticated board-level features, seamless support of the EOS S3AI SoC, and smooth integration with the SensiML Analytics Toolkit make it an ideal starting point for developing sophisticated, ultra-low power AI-based products without large teams of data scientists and HW/SW engineers."

Availability
The Merced EOS S3AI HDK (QAI-EVALKIT-AA-1.0), EOS S3AI SoC (EOSAI-S-PDN64 or EOSAI-S-WRN42) and the SensiML Analytics Toolkit are all available now. For more information, visit www.quicklogic.com/products/eos-s3ai.

About QuickLogic
QuickLogic develops low power, multi-core semiconductor platforms and Intellectual Property (IP) for Artificial Intelligence (AI), voice and sensor processing. The solutions include an embedded FPGA IP (eFPGA) for hardware acceleration and pre-processing, and heterogeneous multi-core SoCs that integrate eFPGA with other processors and peripherals. The Analytics Toolkit from the company's wholly-owned subsidiary, SensiML completes the 'full stack' end-to-end solution with accurate sensor algorithms using AI technology. The full range of platforms, software tools and eFPGA IP enables the practical and efficient adoption of AI, voice and sensor processing across the multitude of mobile, wearable, hearable, consumer, industrial, edge and endpoint IoT applications. For more information, visit www.quicklogic.com and https://www.quicklogic.com/blog/.

About SensiML
SensiML, a subsidiary of QuickLogic, offers cutting-edge software that enables ultra-low power IoT endpoints that implement AI to transform raw sensor data into meaningful insight at the device itself. The company's flagship solution, the SensiML Analytics Toolkit, provides an end-to-end development platform spanning data collection, labeling, algorithm and firmware auto generation, and testing. The SensiML Toolkit supports Arm® Cortex®-M class and higher microcontroller cores, Intel® x86 instruction set processors, and heterogeneous core QuickLogic SoCs and QuickAI platforms with FPGA optimizations. For more information, visit www.sensiml.com.

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