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IC-LOGIC Debuts “First Time Right” Chip with Arteris FlexNoC and C2C Interconnect IP for Automotive and Industrial Applications

Network-on-Chip (NoC) interconnect IP enables shorter design time with increased quality

SUNNYVALE, California – October 29, 2013 – Arteris, Inc., the inventor and only supplier of silicon-proven commercial [network-on-chip \(NoC\) interconnect IP](#) solutions, and IC-LOGIC GmbH today announced that the IC-LOGIC IO HUB chip will be deployed into automobiles beginning 2015. The “[first time right](#)” device will move into production this month, having successfully passed 5,000 tests over a three-month period of time. IO HUB leverages Arteris® [FlexNoC](#)® network on chip interconnect IP and C2C [chip-to-chip interconnect IP](#) for systems-on-chip (SoCs), enabling unparalleled visibility, integrated simulation and verification during design.

IC-LOGIC’s IO HUB is optimal to be paired with processors and platforms to provide a wide range of standard-based interfaces including 3 Gbps SATA (controller and PHY), dual 5 Gbps PCI express (MAC and PHY), Gigabit Ethernet (MAC with AVB and SGMII PHY), and NOR Flash memory serial interface.

IC-LOGIC’s IO HUB has been designed in close cooperation with tier one customers. The chip will be embedded into automotive infotainment systems slated for high-end automobiles. The IO HUB and Arteris’ interconnect IP ensures that the automotive infotainment system delivers rich real-time connectivity and communication.

“IC-LOGIC chose FlexNoC and C2C to create a flexible and high speed communication chip to respond to the increasing demand of high speed connectivity in car infotainment systems,” said Martin Damrau, founder and CEO of IC-LOGIC. “This is yet another ‘[first time right](#)’ device by IC-LOGIC’s industry leading team of automotive and industrial semiconductor designers that establishes a new speed record for design to production, delivering a field-hardened chip that will withstand our customers’ rigorous demands.”

“IC-LOGIC’s use of Arteris FlexNoC and C2C interconnect IP has helped reduce design schedules and has demonstrated the benefit of our NoC technology in automotive applications,” said K. Charles Janac, President and CEO of Arteris. “We are excited to partner with IC-LOGIC to support the increasingly complex automotive market.”

IC-LOGIC’s IO HUB enables solutions for the industrial control and automation market segment as well. The chip will be available in volume to be used in industrial settings in Q1 of 2014.

About Arteris

Arteris, Inc. provides [Network-on-Chip interconnect IP](#) and tools to accelerate System-on-Chip semiconductor (SoC) assembly for a wide range of applications. Results obtained by using the Arteris product line include lower power, higher performance, more efficient design reuse and faster development of ICs, SoCs and FPGAs.

Founded by networking experts and offering the first commercially available Network-on-Chip IP products, Arteris operates globally with headquarters in Sunnyvale, California and an engineering center in Paris, France. Arteris is a private company backed by a group of international investors including ARM Holdings, Crescendo Ventures, DoCoMo Capital, Qualcomm Incorporated, Synopsys, TVM Capital, and Ventech. More information can be found at www.arteris.com.

About iC-LOGIC

IC-LOGIC is a leading supplier of ASIC solutions with strong experience in complex system level integration and first-time-right silicon. IC-LOGIC’s team has designed more than 50 system-on-chips for leading customers in automotive, military/aerospace, industrial, medical and communications markets. IC-LOGIC provides a complete range of ASIC professional services from design to mass production.

IC-LOGIC was founded by veterans of the semiconductor industry. The headquarters are based near Frankfurt in Germany. The company operates globally with sales and design operations located in Germany, France, Slovenia, Serbia, South Korea, Vietnam and USA. More information can be found at www.ic-logic.de.

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