InfoSec Global and Synopsys Collaborate to Deliver Complete Hardware/Software Root of Trust Solution

Combination of InfoSec Global Agile Cryptography with Synopsys tRoot Hardware Secure Module Increases Security for Industrial IoT Designs

SAN FRANCISCO and MOUNTAIN VIEW, Calif., May 3, 2017 /PRNewswire/ -- InfoSec Global (ISG) and Synopsys, Inc. (Nasdaq: SNPS) today announced a collaboration to provide a comprehensive, embedded Root of Trust solution that integrates InfoSec Global's Agile Cryptography capabilities with Synopsys' DesignWare® tRoot™ Hardware Secure Module. The combined solution will provide designers with the programming interfaces needed to customize and differentiate their system-on-chips (SoCs) for highly secure industrial IoT applications such as programmable logic controllers, Supervisory Control and Data Acquisition (SCADA) and Distributive Control Systems (DCS).

"By collaborating with Synopsys, we are giving both the semiconductor industry and governments the cryptography platform they are demanding, with the level of data protection required in a changing security landscape," said Claire Trimble, chief marketing officer at InfoSec Global. "We are enabling a hardware-secured Root of Trust at every stage of the industrial ecosystem to help developers secure their high-value IoT environments."

To build a Trusted Execution Environment (TEE), the industrial IoT supply chain is using platforms comprising various security IP components that must be integrated during system development using fixed encryption schemes. These implementations limit the ability to securely update a system to address evolving threats. Jointly, InfoSec Global and Synopsys enable designers to build a TEE by providing a complete hardware secure module with Root of Trust and flexible encryption capabilities to protect devices against future threats and vulnerabilities in the field.

InfoSec Global's Agile Crypto Platform enables real-time updates to standard and custom cryptography on chipsets in the field. The combination of InfoSec Global's cryptography and Synopsys' tRoot Hardware Secure Module with Root of Trust enables designers to create secure channels for remote device management and service deployment for connected devices. The advanced hardware/software solution addresses complex threats by protecting the device and its data at boot time, run time and during the communications with other devices or the cloud. The Root of Trust establishes a known-good secure area to build a TEE so it can securely authenticate, encrypt critical security functions such as measuring and verifying software, as well as protect crypto keys and device verification throughout all the layers. The integrated solution supports dynamic, in-field upgrades to the cryptography for the entire ecosystem.

"With the number of security vulnerabilities rapidly growing in connected IoT devices, there is an increased need for hardware Root of Trust implementations," said John Koeter, vice president of marketing for IP at Synopsys. "The collaboration between Synopsys and InfoSec Global provides agile encryption capabilities in a secure Root of Trust hardware module to help designers quickly make in-field updates to their devices with minimal effort."

About InfoSec Global Inc.

InfoSec Global provides sustainable data protection for a digital world. The ISG Agile Crypto Platform enables the interoperability of standard, custom and multi-crypto solutions with a real-time service that remotely manages the cryptography of critical systems. The ISG product line includes Crypto and Multi-Crypto, Network Protection and Cyber Assurance. The team consists of renowned experts, the world's best cryptographers, inventors of the foundation of Internet security, and global leaders at the leading edge of cyber security. We empower customers with security solutions they control for global enterprises and highly complex regulatory environments. With offices in Canada, Switzerland and the United States, we're equipped to meet trust needs, compliance requirements and get results. To learn more, visit www.infosecglobal.com.

About Synopsys

Synopsys, Inc. (Nasdaq: SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP and is also growing its leadership in software security and quality solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest security and quality, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

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