



PRESS RELEASE

Arrow Chameleon96 Community Board Features Quantum-Resistant IoT Authentication & Data Protection Solutions from SecureRF

Shelton, Conn. – March 13, 2017 – SecureRF, a leading provider of quantum-resistant security solutions for the Internet of Things (IoT), today announced that its asymmetric (public-key) cryptographic protocols are available on the new Arrow Chameleon96 Community board. SecureRF’s security tools enable companies to deploy small, fast and ultra-low-energy solutions providing integrity, authentication and non-repudiation for IoT devices.

IoT devices are often deployed with little or no protection because most security solutions do not have acceptable runtimes, need a network connection, and require labor-intensive administration of a universal key or password database. SecureRF’s Group Theoretic Cryptography methods, which include the Ironwood™ Key Agreement Protocol and Walnut Digital Signature Algorithm (WalnutDSA™), are at least 60 times faster than ECC, and consume up to 140 times less energy. In addition, there is no need to manage a database or maintain a network connection. SecureRF’s methods are also quantum-resistant to known attacks, and will protect IoT devices based on the Chameleon96 board even when quantum computers become available and render currently-used methods obsolete.

Unlike other 96Boards, the Chameleon96 includes Intel®’s Cyclone V SoC FPGA. The Cyclone V combines the performance of a dual-core ARM Cortex-A9 processor with the flexibility of programmable logic, which is ideal for accelerating embedded software with custom hardware, and provides the ultimate in system customization. It is also fully-compliant to the Linaro 96Boards open platform specification.

“We are looking forward to helping manufacturers worldwide provide high-performance protection for their IoT devices,” said Louis Parks, chief executive officer, SecureRF. “This partnership uniquely allows companies to take advantage of next-gen technology from Arrow and Intel to bring new products to market while meeting the growing need for strong, future-proof security.”

SecureRF offers Secure Boot, Secure Firmware Updates and Secure Firmware Delivery for the Chameleon96 board in addition to its authentication and data protection solutions. The company is attending Embedded World, March 14-16 in Nürnberg, Germany. To schedule a meeting at the conference, email mdonovan@securerf.com. For more information on SecureRF's security solutions for the Chameleon96 board visit <http://hubs.ly/H06zsCd0>, call +1.203.227.3151 or email info@securerf.com.

About SecureRF

SecureRF® Corporation (securerf.com) develops and licenses quantum-resistant, public-key security tools for low-resource processors powering the Internet of Things (IoT). The company's authentication and data protection solutions are highly efficient when compared to techniques like ECC and RSA. SecureRF delivers ultra-low-energy, fast, and small footprint solutions ideally suited for 32-bit, 16-bit, and even 8-bit devices like the ARM Cortex M0/M3 and RISC-V processors.

SecureRF security solutions are used to address wireless sensors, NFC, Bluetooth, and RFID tags as well as embedded platforms including FPGAs, microcontrollers, and ASICs. Software Development Kits, RTL, and tools are available for a wide range of environments. The company also offers Veridify®, a comprehensive, cloud-based solution providing real-time connectivity via smart apps that make products and supply chains smart, secure, and visible.

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