



PRESS RELEASE

SecureRF Corporation Demonstrates Its Security Solutions for Low-Resource IoT Devices at Sensors Expo 2017

SHELTON, CT — June 26, 2017 — SecureRF Corporation will showcase its quantum-resistant asymmetric cryptography for low-resource Internet of Things (IoT) devices at Sensors Expo 2017 (June 28–29). In booth 821, SecureRF will demonstrate that its WalnutDSA™ and Ironwood™ key agreement protocol offer more efficient performance than Elliptic Curve Cryptography (ECC) on a small 8-bit processor, which is the class of processor that you'd likely find on a sensor or actuator device.

Most IoT devices, like the 8-bit processor in SecureRF's demonstration, require authentication and data protection but don't have the computing and memory resources to incorporate contemporary security solutions with acceptable runtimes and resource allocation. SecureRF addresses these issues by providing authentication and data protection for IoT devices with security solutions that are up to 60× more efficient than ECC and consume over 140× less energy.

WalnutDSA™ verifies that a message has been signed with a trusted third-party's private key. This is done by hashing the message to a constant length and verifying that the message digest and signature can be verified against the signer's public key.

Ironwood™ KAP is a Diffie-Hellman-like authentication protocol that establishes a shared secret between two parties. A CMAC of the shared secret (combined with a nonce) is used to mutually authenticate the parties.

To schedule a meeting at the Sensors Expo 2017 conference or to request an [IoT Embedded SDK](#), email Mike Donovan at mdonovan@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.

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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