SecureRF To Offer Free Embedded Security Development Kit For ARM® Cortex®-M0 and -M3 at ARM TechCon 2016

Enables rapid implementation of quantum-resistant, Public-Key security on IoT devices

Shelton, CT – October 24, 2016. SecureRF, a leading provider of low-resource security solutions for the Internet of Things (IoT), will offer its quantum-resistant Security Development Kit to developers of ARM-based products that address ARM's most constrained processor cores. Included in the free kit are routines to implement the company's Ironwood™ key agreement protocol as well as its WalnutDSA™ digital signature verification algorithm, both running at 128-bit security levels. Attendees of ARM TechCon 2016 may visit SecureRF at booth #216 for demonstrations and to request their Security Development Kit.

"Designers evaluating conventional public-key security solutions for use on low-resource platforms often find that run-times are too long, or memory and energy requirements are too high," said Louis Parks, CEO of SecureRF Corporation. "Our Ironwood and WalnutDSA protocols provide equivalent security to solutions like ECDH and ECDSA with footprints as much as 30 percent smaller, using up to 144 times less energy, and execution speed 60 times faster."

Both Ironwood and WalnutDSA are written in ARM Assembly language and are delivered as linkable object files. The routines exhibit extremely low run-times—37.3 ms for Ironwood and 5.3 ms for WalnutDSA at 48 MHz—as well as low RAM/ROM utilization (e.g. 2,952 Bytes ROM/272 Bytes RAM for WalnutDSA). The kit also provides sample source code in C, CMAC utilities, sample keys/signatures, and easy-to-follow documentation in order to expedite the development of secure products.

For those not attending ARM TechCon 2016, please visit http://info.securerf.com/iot-embedded-sdk-development-kit to request the security development kit.

About SecureRF

SecureRF Corporation uniquely offers computationally efficient and very strong security for the Internet of Things. The company's quantum-resistant security solutions, based on Public-Key cryptography, can be licensed for passive, battery-assisted, and active tags, wireless sensors, and embedded platforms including FPGAs, Microcontrollers, and ASICs. Applications include non-traditional payment systems, high-value supply chain management, cold chain management, and anti-counterfeiting applications in the pharmaceutical, consumer, defense, and homeland security sectors. Under the Veridify® banner, the company delivers a comprehensive cloud-based IoT solution for quickly and easily giving devices and products a secure place in the Internet of Things. For more information, please contact us at info@SecureRF.com or visit www.SecureRF.com.

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