

SecureRF Named a Gartner 2015 “Cool Vendor in Mobile Security and Internet of Things Security”

Shelton, Connecticut May 19, 2015 – SecureRF, a leading provider of security solutions for the Internet of Things, announced that it has been recognized as a 2015 “Cool Vendor in Mobile Security and Internet of Things Security” by Gartner Inc., the world’s leading information technology research and advisory company.

In the report, SecureRF was applauded for its strong and efficient authentication platform that uses advanced cryptographic protocols to provide embedded identity and security for devices on the Internet of Things (IoT). Specifically noted was how SecureRF’s Algebraic Eraser™ secures low-resource devices by leveraging the world’s only linear-in-time algorithm to shorten significantly run-time and dramatically reduce the amount of energy required for alternative solutions.

The report is a part of an annual series that identifies and evaluates innovative vendors in key technology areas. This is the first year that Gartner has reported on vendors who specialize in “Mobile Security and Internet of Things Security”. The four vendors recognized in the report are providing innovative approaches for securing the device revolution that makes up the Internet of Things and each point to new directions and solutions in their individual markets.

“It’s an honor to be represented on this list of vendors,” said Louis Parks, SecureRF CEO. “In today’s world where it seems that everything is connected, we’re creating new approaches to device-level security that are ultra-low power, ultra-fast, and extremely secure. In essence, SecureRF is making sure that personal data stays personal.”

SecureRF’s methods represent a breakthrough in security performance. For example, when benchmarked against Elliptic Curve Cryptography (ECC) across multiple platforms, the Algebraic Eraser proved to use up to 98% less energy while at the same time delivering a 40x increase in processing speed – making it ideal to support the very low-resource devices often found on the IoT.

The Algebraic Eraser is suitable for any application currently using FPGAs, ASICs and other low power platforms (including ARM Cortex-M processors) and is a logical fit for a wide range of industries including

consumer products, military/defense, medical devices, building/home automation, automotive, credentialing and mobile payments.

About the Algebraic Eraser

The Algebraic Eraser™ cryptographic method delivers ground-breaking performance for low-power, and passive devices. Offering both symmetric (private key or secret key) and asymmetric (public key) cryptography methods to meet a wide array of security and authentication needs, the AE algorithm runs in linear time with respect to the key length, and employs highly non-linear operations in a non-commutative infinite monoid—yielding unprecedented security. SecureRF has been granted U.S. Patent 7,649,999 for its technology invention in the field of cryptography. The technology, described in the patent entitled “Method and apparatus for establishing a key agreement protocol,” provides a system and method for generating a secret key to facilitate secure communications between users via an algorithmically efficient one-way function using a branch of mathematics referred to as braid group theory. The algorithm is computationally hard to reverse while rapidly computable, thus enabling it to run on devices with low computing resources.

About SecureRF

SecureRF Corporation – Securing the Internet of Things® – provides security solutions for embedded systems and wireless sensor technologies used in non-traditional payment systems, secure supply chain management, cold chain management, and anti-counterfeiting applications in the pharmaceutical, fashion, spirits, defense, and homeland security sectors. The company’s technology is based on a breakthrough in public-key cryptography that is computationally efficient, yet highly secure and available as a software development kit, Verilog/VHDL, or as a core for FPGAs and ASICs. SecureRF also offers the LIME Tag™ - a range of highly secure NFC, UHF and Bluetooth LE sensor tags along with its anti-counterfeiting solution – Veridify™.

For more information on anti-counterfeiting, cybersecurity or securing the Internet of Things, please contact us at info@SecureRF.com. More information about SecureRF can be found at <http://www.SecureRF.com>. SecureRF’s insights on security can be found on its blog at <http://www.SecureRF.com/blog>. Follow us on Twitter: <https://twitter.com/SecureRF>.

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