



Leave Your Network Connection Behind!



Finally, a Near Field Communication (NFC) tag that allows you to employ identification and authentication solutions **without** a database or internet connection - making it easier than ever to manage the security and authenticity of your products in the supply chain. The NX01 has additional value add in that it doesn't require a battery or internal power source (offering a virtually endless shelf life) and, with our Veridify app, interactions can be managed right from a smartphone. [Check out](#) why the LIME Tag NX01 is a great security and brand protection solution for a variety of marketing including [pharmaceuticals](#), [spirits](#), [electronics](#) and [fashion](#). LIME Tag also provides the most advanced access control solution available today.

How Fast is Fast? How Secure is Secure?

SecureRF recently introduced the Algebraic Eraser™ Core - a breakthrough public key solution that enables ultra-fast and very low-power security for devices that are part of the Internet of Things. When compared to the commercially available solutions today - like **Elliptic Curve Cryptography (ECC)** - the AE Core can deliver **more than a 70x performance improvement** in speed, power consumption all within a footprint that is 30% smaller (see table below). Plus, if higher levels of security are needed, due to its linear characteristics, the AE Core can achieve even greater efficiencies.

AE Core delivers exponential speed improvements over ECC while requiring less space and power

	Clock Cycles	Gates	Figure of Merit	AE Core Improvement
ECC 283	164,823	29,458	4,855,355,934	71.7x
AE B16F256	3,352	20,206	67,730,512	

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SecureRF Industry BLOG

A blog with comments from SecureRF on the security and privacy issues related to NFC, Radio Frequency Identification, embedded systems and other low-resource computing devices used in the Internet of Things (IoT).

Recent topics have included:

- MIT's Connect Things 2015
- LIME Tag NX01 Released
- AE Core Launches

And more...

Read these entries at

<http://www.securerf.com/blog/>.

ABOUT SecureRF

SecureRF provides cryptographic solutions for wireless sensors, embedded systems and other devices that are part of the Internet of Things. The company's patented cryptographic protocols, in combination with industry-standard security methods, provide the smallest and fastest solutions for resource constrained platforms where little or no security currently exists. These environments include wireless sensors, Bluetooth Low Energy (BLE),

The AE Core is designed for a wide range of FPGA's, ASICs and ARM Cortex-M family of processors and is a breakthrough solution that is definitely [worth a look](#).

DARPA: Nobody's Safe on the Internet

The Internet of Things (IoT) is made up of billions of devices that are all connected online. Home appliances. Medical equipment. Personal activity trackers (aka Fitbits). Automobiles. Even urban traffic grids. All are connected and all are "fundamentally insecure", says Dan Kaufman, DARPA's Head of Information Innovation.

This topic is not new, but 60 Minutes' expose - [DARPA: Nobody's Safe on the Internet](#) - shed new light on just how "insecure" our connected world really is. This 60 Minutes segment also prompted SecureRF CEO Louis Parks to share his thoughts via Twitter:

 **Louis Parks** @Louis_Parks · Feb 8
#DARPA #60minutes “Devices on #IoT are fundamentally insecure” – how most new technology has started out for decades – needs to change

 **Louis Parks** @Louis_Parks · Feb 9
Q:Who would set up a 30 to 50 computer network with no security? A: #Automotive manufacturers according to @DARPA on #60Minutes #IoT

 **Louis Parks** @Louis_Parks · Feb 8
Securing #IoT will need many approaches –but “device-level” is key @DARPA on #60minutes - and looks like cars good place to start

Not only has the media now tuned into the security lapses of the IoT, but the gaps have also caught the eye of Congress. In February 2015, Senator Edward J. Markey (D-Massachusetts) issued a [report](#) outlining the risks that connected automobiles pose to American drivers - with legislation likely to follow.

SecureRF's suite of products is uniquely positioned to address the issues outlined in the report. To learn more, send us an [email](#) or visit our [Products](#) or [Solutions](#).

Parks to Chair AIM's RFID Expert Group

Congratulations are in order. As part of a new leadership announcement for key committees for 2015, AIM, a trade

Near Field Communications (NFC), RFID, Smart Cards, and machine to machine (M2M) applications.

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association for providers in the automatic identification market, has named SecureRF CEO, Louis Parks, Chair of the RFID Expert Group (REG). The REG is comprised of more than 40 organizations from the U.S, Europe and Asia and, under Louis' guidance, will address the standards and issues associated with RFID. [Read](#) the release.



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