DesignArt Networks Selects Elliptic Technologies Embedded Security Engine for its 2nd Generation DAN3000 LTE Advanced Infrastructure SoCs

Elliptic Technologies, a leading global supplier of security IP and software, has joined forces with DesignArt Networks, a leading provider of highly integrated SoCs to integrate a comprehensive security solution targeting advanced 3GPP HetNet infrastructure products.

Ottawa, Canada and Ra’anana, Israel (PRWEB) November 03, 2011 -- Elliptic Technologies, a leading global supplier of security IP and software, has joined forces with DesignArt Networks, a leading provider of highly integrated SoCs to integrate a comprehensive security solution targeting advanced 3GPP HetNet infrastructure products.

DesignArt Networks has licensed Elliptic’s high performance Security Protocol Accelerator for LTE (SPAcc-LTE) for use in its DAN3000 family of SoCs, targeting 3G and 4G base stations for the mobile HetNet infrastructure, as well as multi-gigabit unified mobile backhaul solutions.

High-speed mobile data services require base stations to process more than 1 Gbps of 4G service access traffic, while simultaneously supporting 3G service access in mixed HetNet deployments. Elliptic’s SPAcc-LTE security engine meets these capacity and 3GPP standards support requirements, including the support for emerging LTE Advanced standards. The engine addresses the complex security requirements of highly integrated, high-performance SoC products with many powerful features including scatter-gather DMA, QoS for enhanced traffic management support and virtualization designed to allow sharing between multiple CPUs.

“Elliptic’s proven track record and highly integrated security solution provided the right combination of features and capacity for the DAN3000 SoC family.” said Assaf Touboul, co-founder and CTO of DesignArt Networks. “The DAN3000 SoC architecture features two SPAcc-LTE security cores, supporting the simultaneous operation of multi-gigabit 3G/4G service transport, wireless backhaul link encryption, and secure management and control plane sessions. We are very pleased with the great support and professionalism of the Elliptic team.”

Commenting on the announcement, Vijay Dube, President and CEO of Elliptic Technologies said: “The remarkable growth in popularity of smartphones and other mobile connected devices is driving the demand for substantially higher mobile data rates with robust security. DesignArt Networks is a leading vendor of SoC solutions for the HetNet infrastructure market and we are pleased to contribute to their highly innovative product design. We look forward to continuing this partnership by supporting their high performance security requirements as they bring future 4G LTE-Advanced solutions to the market.”

Elliptic’s broad family of security protocol accelerators and processors, which includes the popular SPAcc-LTE engine, consists of high-performance, cost- and power-efficient security solutions that support all confidentiality and integrity algorithms required for 3GPP/LTE/LTE-Advanced protocols. These algorithms are based on ciphers like AES, SNOW 3G, ZUC, and legacy ciphers such as Kasumi to support older networks.

The International Telecommunication Union (ITU) has selected LTE-Advanced as the technology to deliver high bandwidth mobile broadband data for smartphones, tablets and other mobile wireless devices. The wireless broadband bandwidth is increasing at an incredible rate, jumping to 100 Mbps for mobile devices and to 1 Gbps for fixed wireless devices. These high data rates must be achieved against a backdrop of increasing demands for
enhanced privacy, greater energy efficiency and longer battery life.
Elliptic offers proven security solutions spanning silicon cores to embedded software, which help facilitate the adoption of advanced wireless technologies. These highly-integrated solutions enable SoC suppliers and embedded system manufacturers to shorten their time to market and allow them provide robust security solutions.

About DesignArt Networks
DesignArt Networks Ltd is the leading supplier of highly integrated System-on-Chip (SoC) infrastructure solutions for the evolving 3G and 4G radio access network (RAN) infrastructure. Based on a unique multi-layer, multi-core system-on-chip (SoC) architecture DAN SoC platforms integrate all four processing layers required for the design of any type of wireless network infrastructure product, ranging from base stations, radio heads, backhaul systems, up to fully integrated multi-sector 4G base station systems with zero-cost self-backhaul – on a single chip. DesignArt provides a powerful integrated system development framework, including full-featured and trial-ready software applications. Vendors benefit from the resulting low-cost, yet powerful and flexible product portfolio, while drastically reducing R&D and life-cycle expenses and optimizing time-to-market. Operators benefit from best-of-breed, yet compact RAN equipment with an absolute minimum in power consumption. For more information, visit www.designartnetworks.com.

About Elliptic Technologies
Ranked as the fastest growing provider of security semiconductor IP by Gartner, Inc. for the last four years, Elliptic licenses Semiconductor Intellectual Property (SIP) cores and software for ASIC manufacturers and embedded system OEMs. Elliptic SIP cores enable system-on-chip designers to efficiently balance power, performance and silicon area in complex security-based systems. Elliptic’s Platform Security solutions allow customers to implement secure, trusted platforms and networks, including secure boot, secure networking, product anti-cloning and anti-counterfeiting, and other advanced solutions. The Ellipsys Cryptography Middleware offers a complete set of symmetric and asymmetric algorithms targeted at embedded applications. Demanding customers in markets such as wired and wireless networking, digital media and home entertainment, storage and implantable medical devices trust embedded security solutions from Elliptic. The company, founded in 2001, maintains headquarters in Ottawa, Canada, and has a worldwide customer base and sales channels. For more information please visit www.elliptictech.com.

For More Information:

DesignArt Networks
Joachim Hallwachs, VP Marketing
Phone: +1 978-793-1221
joachimh(at)designartnetworks(dot)com
Web: www.designartnetworks.com

Elliptic
Technologies Inc.

Dana Neustadter, Director Product Management
If you have any questions regarding information in these press releases please contact the company listed in the press release. Our complete disclaimer appears here - PRWeb ebooks - Another online visibility tool from PRWeb.
Contact Information
Dana Neustadter
Elliptic Technologies
613-254-5456 x105

Online Web 2.0 Version
You can read the online version of this press release here.