DesignArt Networks Selects Elliptic Technologies to Integrate a Comprehensive Security Solution

Elliptic Technologies has joined forces with DesignArt Networks, 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.

For more information, visit www.designartnetworks.com [1].

For more information please visit www.elliptictech.com [2].

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