

True Java on Emosyn Secure Microcontroller

Submitted by: Lothbury Financial

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ID Data Technology and OneEighty Software Ltd today announced an agreement with Emosyn whereby the revolutionary ORIGIN-JTM true Java™ capability will be available on the worlds most advanced Flash based family of secure IC's, the Theseus Platinum Family.

ORIGIN-J, based on OneEighty's unique ORIGIN™ technology, is an ultra-compact virtual machine that brings the benefits of true Java™ technology (J2SETM) to Emosyn's new Theseus Platinum generation of Flash based microcontrollers. Targeted at embedded systems, in particularly smart cards, ORIGIN-J executes standard Java bytecode yet only occupies only 50KB, including core libraries.

Flexible memory sizes and configurations of the Theseus Platinum family provide developers of extremely small systems with sufficient targeted memory to handle a wide range of end-customer applications. Flash memory technology allows for re-configurable systems and is well-suited to remote upgrades, as well as "over-the-air" downloading.

Peter Dzwig, CEO Of OneEighty Software said, "We are keen to develop wider opportunities for ORIGIN-J and have known Emosyn for a long time and have a high regard for their engineering capabilities. The Theseus Platinum Family will undoubtedly open up new markets for both Emosyn and ORIGIN-J."

Emosyn's Chris Brown, Regional Manager of EMEA commented that, "our Theseus Platinum smart card IC's offer the highest performance 8 bit solutions which coupled with extremely small chip sizes makes this package the most cost effective platform for ORIGIN-J – essential for high end and cost sensitive applications".

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Note to Editors:

ID Data plc

ID Data Technology is a member of the ID Data PLC group of companies. Company strategy has moved from commodity products into value-added services and solutions. Group clients include British Telecom, Tesco, and Exxon Mobil. ID Data has formed agreements with major global corporations to ensure rapid market development as shown by their partnerships with Toshiba & Toppan and Total Systems Inc. of the United States of America.

Websites: <http://www.id-data.co.uk> <http://www.origin-j.com>

OneEighty Software Ltd:

OneEighty Software Ltd has developed a unique architecture, ORIGIN, which enables ultra compact coding for embedded systems such as smart cards.

ORIGIN-J is a Java virtual machine, enabling the Java programming language to be used in memory-constrained embedded systems such as smart cards, control systems and portable devices. Existing JVMs are too large to be effectively used on such devices, however ORIGIN-J overcomes this by using ORIGIN to reduce the space required to a very small footprint.

OneEighty licences its technologies to third parties, who provide access to market for its products, in the smart card market ID Data plc are the global licencees.

The company was founded in 1989 and is privately held.

Website: <http://www.180sw.com>

Emosyn:

Emosyn, a fabless semiconductor company, is an ATMI venture. Emosyn's design center is based in San Jose, California; corporate headquarters are in Danbury, Connecticut; and sales and marketing headquarters are in Witney nr. Oxford, England.

ATMI provides specialty materials and services to the worldwide semiconductor industry.

Website: <http://www.emosyn.com>

Notes

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