

New emLib Middleware Component for Encryption

Hilden, Germany – April 3rd, 2013

SEGGER today released the first components of its new emLib Middleware components.

The first components are encryption modules with AES and DES algorithms. As with other SEGGER Middleware components, they are highly optimized for speed as well as for size. The code is easily portable and can be used in deeply embedded systems as well as in PC applications or software for tablets or smart phones, running OSES such as iOS or Android. The code is very well tested, documented, commented and contains a verification suite. The high reusability makes it especially attractive for company-wide usage.

The code has been developed from scratch and does not use any open source or GPL code.

A Cortex-M4-based microcontroller running at 168 MHz achieves an encryption/decryption performance of 2.56 MByte/s with emLib AES.

"With the introduction of the emLib product family we plan to offer complex algorithms to our customers. These components are easy to use and easy to license", says Dirk Akemann, Marketing Manager at SEGGER.

About emLib

The SEGGER emLib is a collection of complex, hardware independent algorithms. These algorithms are free from third party licenses. The code follows strict and efficient coding standards resulting in an easy to use code, which is optimized for lowest resource usage and highest performance. The first components of this new product line are emLib AES and emLib DES.

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About SEGGER

SEGGER Microcontroller develops and distributes hardware and software development tools as well as software components for embedded systems. An "embedded system" is one in which a microprocessor and associated components are incorporated into a device helping to accomplish difficult and complex tasks in products such as cell phones, medical instruments, instrument clusters, measurement instruments, satellite radios, digital cameras etc.

SEGGER was founded in 1997, is privately held, and is growing steadily. Based in Hilden with distributors in all continents and a local office in Massachusetts, SEGGER offers its full product range worldwide.

SEGGER software products include: embOS (RTOS), emWin (GUI), emFile (File System), emUSB (USB host and device stack) and embOS/IP (TCP/IP stack). With the experience in programming efficiently on embedded systems, SEGGER created highly integrated, cost-effective programming and development tools, such as the Flasher (stand-alone flash programmer) and the industry leading J-Link/J-Trace emulator.

SEGGER's intention is to cut software development time for embedded applications by offering affordable, high quality, flexible and easy-to-use tools and software components allowing developers to focus on their applications. Find out more at <http://www.segger.com>.

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