SEGGER Microcontroller embedded software suite to support Energy Micro’s Cortex-M3 Gecko microcontrollers

Hilden, Germany and Oslo, Norway, December 7 2011 – SEGGER Microcontroller and Energy Micro have announced that SEGGER’s high-performance embedded middleware suite now supports Energy Micro’s range of ultra low energy ARM Cortex-M3 based EFM32 Gecko microcontrollers.

The comprehensive feature-rich and high-performance software suite from SEGGER delivers an easy-to-use environment for embedded systems development, offering exceptionally low memory requirements, which minimizes Bill-of-Materials costs and enables significantly reduced power consumption overall. The middleware’s high performance also enables lower clock speed to further reduce system power consumption.

Specific tools from SEGGER supporting the Energy Micro EFM32 Gecko MCUs include: the real-time operating system "embOS" which offers multitasking with minimal resources and true zero interrupt latency; the embedded file system "emFile" which is optimized for minimum RAM memory consumption supporting SD-card, NAND and NOR flash memory with wear levelling; and the efficient "emWin" user interface, an LCD controller-independent graphical user interface (GUI) for applications requiring a graphics display. The high-quality graphical software, which runs with any display or any MCU, delivers flicker-free animation, optimized drawing routines with optional anti-aliasing, and a GUI builder for Window Objects (Widgets).

Thanks to the long-term partnership between the two companies, all Energy Micro development and starter kits are supplied with SEGGER’s J-Link emulation technology, and the latest Leopard and Giant Gecko development kits also include SEGGER´s advanced J-Trace.

“This is a key alliance for Energy Micro,” said Oyvind Grotmol, VP of Simplicity at Energy Micro, “SEGGER brings exceptional know-how in delivering high-quality and highly efficient embedded software tools that are easy to use, straight from the box.”

“Energy Micro is yet another important addition to our impressive list of MCU partners,” said Dirk Akemann, Partnership Marketing Manager at SEGGER. “The range of EFM32 Gecko microcontrollers are highly innovative MCUs, ideal for low-power embedded systems development.”

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