Product News

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IAR Systems launches full support for Freescale® Vybrid Controller Solutions

Uppsala, Sweden—July 10, 2013—Today, IAR Systems® launches support for the new Vybrid™ F series controller solutions available from Freescale Semiconductor. Full support for the Vybrid VF3xx, VF5xx, and VF6xx product families are provided using the development tool suite IAR Embedded Workbench® for ARM®.

Vybrid controller solutions are built on an asymmetrical-multiprocessing architecture using single or dual ARM cores, and are well suited for use in many industrial applications. The entry-level single-core devices provide low-power capabilities while the high-end dual-core processor units feature highly integrated, heterogenous dual cores for applications requiring rich human-machine interfaces and connectivity with real-time determinism.

IAR Embedded Workbench integrates the IAR C/C++ Compiler™, assembler, linker, librarian, text editor, project manager, and C-SPY® Debugger in an integrated development environment (IDE). Its powerful code optimization works on multiple levels and creates highly efficient, reliable code for Vybrid controller solutions. IAR Embedded Workbench is integrated with Freescale MQX RTOS Software Solutions and the device configuration tool Freescale Processor Expert® Software.

The C-SPY Debugger supports simultaneous debugging of the ARM Cortex™-A5 and ARM Cortex-M4 cores. It provides full trace support through Embedded Trace Macrocell (ETM), as well as support for Serial Wire Debug (SWD). By using IAR Systems' in-circuit debugging probe I-jet™, high-resolution Power Debugging is available. This technology couples the source code to the power consumption, letting users test and tune their applications for power optimization. The Power Debugging capabilities can be extended further with I-scope™, which adds current and voltage measurement capabilities. IAR Systems also provides advanced trace probes for debugging, testing, and verification of high-end applications.

The support for all devices includes header files, debugger register definitions, flash loader, and example projects. Example projects for Freescale MQX RTOS and the Freescale Tower™ System development platform for Vybrid controllers are also included.

– more –

More information and free evaluation licenses are available at www.iar.com/vybrid.

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About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 19,000 large and small companies to develop premium products based on 8-, 16-, and 32-bit microcontrollers, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com