

AVIX FOR MICROCHIP PIC24 MCUs and dsPIC® DSCs, THE ROYALTY FREE HYBRID REAL TIME OPERATING SYSTEM, ADDS SUPPORT FOR THE NEW MICROCHIP HIGH PERFORMANCE 'E' PARTS

Den Bosch, The Netherlands, April 10, 2012 – AVIX-RT, the company that brings you the AVIX RTOS, today announced AVIX support for the new high performance Microchip 'E' microcontrollers (MCUs) and digital signal controllers (DSCs).

The ultra fast AVIX RTOS is a perfect match for the new Microchip high performance PIC24E MCUs and dsPIC33E DSCs. Running AVIX on one of these new microcontrollers allows very high performance applications to be created and use the full amount of RAM present on these controllers.

"Microchip is pleased with the continued support provided by AVIX," said Sumit Mitra, vice president of Microchip's High Performance Microcontroller Division. "Our new, rapidly growing, third-generation 70 MIPS dsPIC33E and PIC24E 16-bit DSC and MCU families are ideally suited for multitasking applications, which benefit from the fast and efficient AVIX-RT Real-Time Operating System. Embedded designers can take advantage of this to improve the operation of their applications."

With this latest addition, on a single AVIX license, applications may be developed for every member of the impressive Microchip 16-bit controller families.

The AVIX RTOS offers features not found in any competing product, the most distinguishing being 'True Zero Latency'. AVIX allows extremely high interrupt rates with latency equal to that of the underlying hardware because it never disables interrupts. As such, AVIX is a perfect match for the advanced interrupt structure offered by the PIC24 MCU and dsPIC® DSC architectures. The 'True Zero Latency' feature does not come with any limitation and AVIX based interrupt handlers are allowed to make many system calls leading to interrupt handlers being fully integrated in the application. Offering zero latency combined with full interrupt handler-application integration is unique in the market and distinguishes AVIX from competing products, a distinction emphasized by adding 'True' to 'Zero Latency'.

AVIX offers low RAM consumption by offering a proprietary stack for interrupt handling, leading to a substantial reduction of the stack size of every thread in the application.

For testing, AVIX comes with the unique 'Thread Activation Tracing', allowing real time monitoring of thread activity. Combined with Kernel Aware Debugging plug-ins, this offers advanced testing capabilities.

Free evaluation versions, containing tutorial and demo code for many different controllers compatible with Microchip's [Explorer 16 Development Board](#) (part # DM240001, \$ 129.99) are available from AVIX-RT's website, www.avix-rt.com.

About AVIX-RT

Headquartered in Den Bosch, The Netherlands, AVIX-RT develops and markets the most advanced RTOS for Microchip's 32-bit PIC32 MCUs, and 16-bit PIC24, dsPIC33 and dsPIC30 MCUs and DSCs, and many ARM CORTEX-M3 microcontrollers. For more information, AVIX-RT can be contacted by e-mail: [info\[at\]avix-rt.com](mailto:info[at]avix-rt.com) or phone: +31 615 285 177, ask for Leon van Snippenberg. Detailed information about AVIX-RT and its products is available at the AVIX-RT website www.avix-rt.com

About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at <http://www.microchip.com>.

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