

NEW VERSION OF THE AVIX RTOS INTEGRATES ENERGY REDUCTION FUNCTIONALITY

AVIX-RT is proud to announce version 3.5 of its AVIX RTOS. Building on the unmatched capabilities of its predecessor this new version offers functionality to exploit the energy saving capabilities of the applied microcontroller. Especially beneficial for battery powered devices applying this new version of the AVIX RTOS can result in a substantial decrease in energy consumption.

Energy reduction functionality is fully integrated in AVIX leading to a much easier deployment than possible with many competing product. Basic energy saving is accomplished by a single function call and for more extensive energy reduction AVIX offers the hooks to fine tune your application.

G. Faas, CEO of RC-Engineering BV (www.rc-engineering.nl), a Dutch company specialized in development of hand held devices is using the AVIX RTOS and is pleased by the energy saving capabilities enabled by this new version of the AVIX RTOS: *"For a battery powered communication device we are developing, low energy consumption is an important requirement. After installing this new version of AVIX some minor configuration changes were all that was needed to already establish a substantial reduction in the devices energy consumption. We are convinced that tuning our application using the functionality offered by AVIX will result in meeting our demanding requirements"*.

This new version 3.5 of AVIX comes with increased performance. According the open source Thread-Metric performance test, AVIX is the clear winner on six of the seven tests contained in this test suite. AVIX offers a software based system stack for exclusive use by interrupt handlers leading to a very significant reduction in the amount of RAM used by your application.

For testing and validation, AVIX offers Real Time Thread Activation Tracing, a non-intrusive mechanism showing the activation of threads real-time on a logic analyzer. This mechanism is usable both during development and in the end-product and offers unprecedented insight in your applications behavior.

Beside these unique features, AVIX offers everything you may expect from a modern RTOS like mutexes, semaphores, pipes, timers, message queues, event flags and memory support. All this functionality is accessible through a user friendly and largely type safe API allowing programming errors to be found compile time instead of runtime.

AVIX is available for all 16 and 32 bit Microchip Microcontrollers and can be downloaded in a free Demo Distribution from the AVIX-RT website. AVIX is accompanied by a comprehensive user manual and a utility to monitor the status of the AVIX based application from within the Microchip MPLAB development environment.

About AVIX-RT

Headquartered in 's-Hertogenbosch, The Netherlands, AVIX-RT develops and markets the most advanced RTOS for 16 and 32 bit Microchip Microcontrollers. For more information, AVIX-RT can be contacted by e-mail: [info\[at\]avix-rt.com](mailto:info@avix-rt.com) or phone: +31 615 285 177, ask for Leon van Snippenberg. Detailed information about AVIX-RT and its products AVIX-16 and AVIX-32 can be found on the AVIX-RT website (www.avix-rt.com)

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