µTrace® supports new NXP LPC54100 series microcontrollers

Hoehenkirchen-Siegertsbrunn, January 2015 – Lauterbach, the leading manufacturer of microprocessor development tools, has announced its support for the new NXP LPC54100 Series of microcontrollers.

NXP recently introduced its LPC54100 Series of microcontroller, which achieves industry leading power efficiency and is ideally suited for "always-on" sensor-based products.

Lauterbach have supported the LPC54100 Series of microcontrollers since the beginning with µTrace®, a proven and popular debug and trace tool for Cortex®-M based processors. The tool uses USB 3.0 for connection to the host and connects to the LPC54100 via Serial Wire Debug (SWD) interface. The developer can control the operation of the program and analyze the data in C and C++ by the use of simple and complex breakpoints. An analog probe can be connected to µTrace to read the current and voltage measurements for energy profiling, which enables developers to fine-tune their software for minimal power usage.

The LPC54100 Series features an asymmetric dual-core architecture to enable scalable active power and performance by using a Cortex-M0+ and a Cortex-M4F for different sensor-processing tasks to optimize power efficiency. µTrace fully supports this type of asymmetric multicore processing (AMP) debugging by starting an individual TRACE32 instance for each core.

"The features of µTrace are an ideal complement to the LPC54100 family, enabling customers to optimize their always-on products," said Brendon Slade, the Director of Tools&Embedded Ecosystem from NXP, "The support that the Lauterbach tools provide for the LPC54100 multicore architecture also gives developers the debugging facilities needed fully exploit the capabilities of the device family."

About Lauterbach
Lauterbach is the leading manufacturer of complete, modular and upgradeable microprocessor development tools worldwide with experience in the field of embedded designs since 1979.
It is an international, well-established company with blue chip customers in every corner of the globe and has a close working relationship with all semiconductor manufacturers. At the headquarters in Höhenkirchen, near Munich, the engineering team develops and produces highly proficient and specialized Development Tools, which are utilized all over the world under the brand TRACE32®. Own branch offices exists in United Kingdom, Italy, France, Tunisia, on the East and West coasts of the United States, Japan and China. Highly qualified sales and support engineers are also available in many other countries. For more information visit http://www.lauterbach.com/

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