

*Höhenkirchen-Siegertsbrunn
February, 13th 2018*

TRACE32[®] extends Huawei LiteOS awareness to Arm[®] Cortex[®]-M Architecture

Lauterbach, the leading manufacturer of microprocessor development tools, has announced that it has extended the kernel awareness for the Huawei LiteOS – the Open Source Operating System from Huawei Technologies Co., Ltd for the IoT systems. TRACE32[®], the class leading debug tools from Lauterbach supports Huawei LiteOS on Arm[®] Cortex[®]-M Architecture and has pledged to support the Huawei LiteOS on the RISC-V Architecture in the future.

The Huawei LiteOS awareness for TRACE32[®] allows the developer to visualize OS resources and objects such as task lists, mutexes, queues, timers and semaphores. Developers are free to investigate interrupt routines, drivers and application code all from within the familiar environment of TRACE32[®]. When the awareness is configured, extra features become available: for instance, the setting of task aware breakpoints.

If the target provides off-chip trace capabilities, TRACE32[®] can record processor cycles and can be configured to collect data on task switches. Using this information, a detailed analysis of the program history, including task switches, can be viewed.

All features of the TRACE32[®] awareness for Huawei LiteOS do not require any additional target configuration or any hooks or patches within the OS itself. The philosophy of TRACE32 is for the application to behave exactly the same in the debug environment as on the final product; only this way can 100% certainty of testing be achieved.

“The powerful TRACE32[®] debug tool is now complemented by Huawei LiteOS for Arm[®] Cortex[®]-M Architecture, the best in class IoT OS on the market. This will help the software engineers to code even more efficient applications based on Huawei LiteOS. It is another milestone in our partnership with Lauterbach”, says Jianjun Liu, LiteOS TDT Manager at Huawei.

“Our continued partnership with Huawei LiteOS allows users of IoT devices to take full advantage of class leading tools and OS to develop smarter and more efficient IoT systems. This can only be good for the IoT industry by enabling developers to choose the best combination of tools and OS for their projects” says Norbert Weiss, international Sales and Marketing Manager at Lauterbach.

About HUAWEI

Huawei is a leading global information and communications technology (ICT) solutions provider. Driven by a commitment to sound operations, ongoing innovation, and open collaboration, we have established a competitive ICT portfolio of end-to-end solutions in telecom and enterprise networks, devices, and cloud technology and services. Our ICT solutions, products, and services are used in more than 170 countries and regions, serving over one-third of the world's population. With 180,000 employees, Huawei is committed to enabling the future information society, and building a Better Connected World.

For more information about LiteOS please visit www.huawei.com.

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[®]. Our branch offices exist in the 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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