



## Press Release

### **iSYSTEM Introduces Industry's First WIRELESS DEBUGGER**

Connecting to the target without a cable – Wireless Debugging of Embedded Systems

**November, 2013 – Schwabhausen (Munich) Germany** - iSYSTEM announces the introduction of the industry's first truly wireless debugger. The iONE-BT allows the wireless communication between a target application and a PC running iSYSTEM's winIDEA/testIDEA debugging and test software, via Bluetooth.

The iONE-BT consists of two modules:

1. A debug module which attaches to the target via standard connections (ie, JTAG) and which contains a Bluetooth antenna.
2. A Bluetooth dongle which attaches to the host PC by USB.

Besides allowing wireless access from the PC running winIDEA/testIDEA across a lab to a target connected to the iONE-BT, this new wireless debugging capability opens doors for embedding debuggers in harsh environments. An example: A company embeds some controller inside a device which in turn is deployed in a field or a mine. Once placed and sealed in the container, it is extremely difficult and expensive to open the container and retrieve the controller for the purpose of debugging the application or re-flashing the device. Wireless access (up to 10 meters) allows this to be accomplished in the field with minimal cost and time.

iSYSTEM also offers options for a SuperCap or battery power module. The SuperCap module receives its power input from the target system. While power from the target is available, it directly supplies the iONE-BT module and charges an integrated back-up energy storage element. When the target is unpowered, the iONE-BT is supplied by the back-up energy storage.

The Bluetooth communication is compliant to Bluetooth standard 3.0. The transmit power is Class 2 (typ. 0dBm) with a range of approximately 10m. The bandwidth is approximately 2.1 Mbit/second. Operating voltage is 3.3V.

The system will be demonstrated for the first time in Germany at the Embedded Software Engineering Congress in Sindelfingen December 3.-5., 2013 as well as Embedded World February 25 – 27, 2014 in Nuremberg.

The iONE-BT will be first available as a debugger for the ARM Cortex-M family of microcontrollers. Other cores will be supported in the future. The debugging and trace analysis interface, winIDEA, along with options such as testIDEA, are identical for the iONE-BT as for all of the other iSYSTEM hardware debug modules, such as the iC5000. The iONE-BT will be available for the ARM Cortex-M at the end of Q1, 2014.

For more information about iSYSTEM's new Wireless Debugger, and all of the development tools from iSYSTEM, visit iSYSTEM's website at: [www.isystem.com](http://www.isystem.com).



**The Embedded Software Test Tool Company**



**Debug, Trace, Coverage, Performance, Visualization, Test, Report**

### **Internet Links**

[www.isystem.com](http://www.isystem.com)

News Blog: [www.embedded.typepad.com](http://www.embedded.typepad.com)

Twitter: <https://twitter.com/isystemag>

### **About iSYSTEM**

iSYSTEM is a privately held company headquartered in Germany, close to Munich. Since its foundation in 1986, iSYSTEM is an independent manufacturer and provider of embedded software debugging and test tools. Beside standard products iSYSTEM offers development and production services for custom designs, projects and OEM products.

iSYSTEM's Blue Box Technology stands for fast and easy microcontroller access via any kind of microcontroller debug interface. No matter whether one is developing, debugging or testing embedded software on a real target system. iSYSTEM's open and integrated Debug and Test Software enables engineers to drive a Blue Box and the corresponding development.

iSYSTEM tools mainly do support safety and security application development. Thus, control software development in markets such as Automotive/Transportation, Railway, Avionics, and Medical where customers require high sophisticated functionality, test automation support, services and certification. Markets like Industrial, Telecom, and Consumer do benefit from this software configurable tool portfolio by adopting it easily to their actual needs.

iSYSTEM specializes in embedded development and test tools, provides debugger and analyzer solutions for more than 50 CPU architectures and their derivatives (3000+ microcontrollers). The Windows and/or Eclipse based development environment is easy to learn and use. The flexible integration and application of iSYSTEM solutions within the entire development process is enabled by open and public interfaces (APIs).

iSYSTEM maintains long standing and close relationships with all major semiconductor, operating system and compiler companies worldwide. This guarantees quick tool availability and the highest level of integration.

iSYSTEM is a ISO9001:2008 certified company.

### **Contact iSYSTEM AG**

Sandra Peuker

Inside Sales/Marketing

[Sandra.peuker@isystem.com](mailto:Sandra.peuker@isystem.com)

Tel: +49 (8138) 6971-52

Erol Simsek

Geschäftsführer

[erol.simsek@isystem.com](mailto:erol.simsek@isystem.com)

Tel: +49 (8138) 6971-56