

Embedded Studio: New beta reduces program size by up to 12%!

Monheim, Germany – October 11th, 2018 –

SEGGER just released a new beta version of its powerful cross-platform development software "Embedded Studio". The new version focuses on program size reduction, achieving an amazing 5 to 12% on typical applications over the previous version, and even higher gains compared to GCC tool chains. These savings are the result of the new Link-Time Optimization (LTO), combined with SEGGER's Linker and Runtime library emLib-C. LTO combines all input object files into one module and optimizes the entire application, opening the door for optimizations not available to the compiler itself.

The SEGGER Linker adds features such as compression of initialized data, deduplication, as well as the flexibility of dealing with fragmented memory maps that embedded developers have to cope with. Like all SEGGER software, it is written from scratch without any legacy code or legacy thinking, focusing on the requirements of embedded developers.

Additionally, the size required by the included runtime library is significantly lower than that of runtime libraries used by most GCC tool chains.

"With these new features, Embedded Studio is now getting even more powerful. We are seeing that it is becoming more and more popular. In combination with the SEGGER Linker, Link-Time Optimization allows flash size savings on a scale I never thought possible," says Dirk Akemann, Marketing Manager at SEGGER Microcontroller. "We are proud to support the educational community by having Embedded Studio available free of charge for non-commercial use."

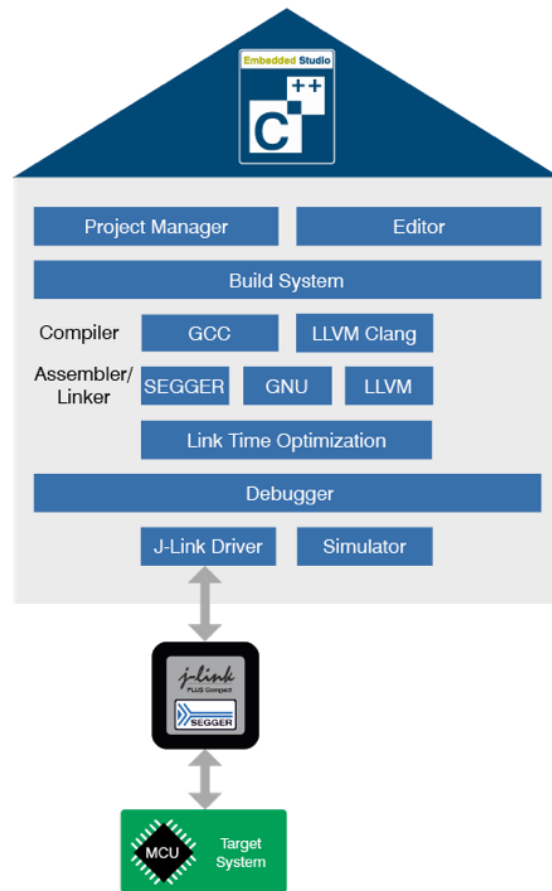
More information about the new SEGGER Linker at: [SEGGER Linker](#)

###

About Embedded Studio

Embedded Studio is a leading Integrated Development Environment (IDE) made by and for embedded software developers. Unlike a lot of other IDEs, it is very fast, intuitive, easy to use and not Eclipse based.

It is a complete solution for any ARM based processor, from legacy ARM7, ARM9 and ARM11 devices to Cortex-A, R and M, and comes with a system library that is optimized for embedded systems and GCC and LLVM/Clang compilers. Embedded Studio is platform independent and can be used on Windows, macOS and Linux hosts.



The software can be downloaded and installed in just a few minutes. It comes with a friendly licensing model that allows unlimited evaluation with no code size limit and free of charge use for educational purposes and hobbyists. Full product specifications and the download are available at www.segger.com/embedded-studio.html

###

About SEGGER

SEGGER Microcontroller is a full-range supplier of software, hardware and development tools for embedded systems. The company offers support throughout the whole development process with affordable, high quality, flexible and easy-to use tools and components. SEGGER offers solutions for secure communication as well as data and product security, meeting the needs of the rapidly evolving Internet of Things (IoT). The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. Headquartered in Germany with US offices in the Boston area as well as Silicon Valley and distributors on every continent, SEGGER offers its full product range worldwide. For additional information, visit: www.segger.com

Contact information:

Dirk Akemann
Marketing Manager
Tel: +49-2173-99312-0
E-mail: info@segger.com

Issued on behalf of:

SEGGER Microcontroller GmbH
Ecolab-Allee 5
40789 Monheim am Rhein
Germany
www.segger.com

SEGGER Microcontroller Systems LLC
101 Suffolk Lane
Gardner, MA 01440
United States of America
www.segger.com

All product and company names mentioned herein are the trademarks of their respective owners. All references are made only for explanation and to the owner's benefit.