

GigaDevice Partners with SEGGER to Provide emWin GUI Software

GigaDevice and SEGGER announce their collaboration to provide customers with SEGGER emWin embedded system graphics library, free of charge. GigaDevice customers can now use emWin , as well as AppWizard, across all [GD32 Cortex®-M series MCUs](#).



With GD32, the largest Arm®-based MCU product family in China, GigaDevice was first to launch MCUs containing Cortex®-M3, -M4, -M23, -M33, and -M7 cores. With this, GigaDevice achieves comprehensive coverage of mainstream microcontroller applications, from low energy to ultra-high performance, covering consumer to automotive grade whilst adopting the latest architectures, keeping costs low, and offering rapid real-time response. The [GD32 family](#) has 46 product series and more than 600 devices, maintaining excellent compatibility throughout.

SEGGER emWin is a cutting-edge, high-performance graphical user interface solution, optimized for minimum memory consumption, both in RAM and ROM, as well as for high speed and versatility. It provides high-quality graphic functions and can be adapted to any size display, physical or virtual. It is compatible with single-task and multitask environments, with a proprietary operating system or with any commercial RTOS such as SEGGER embOS and embOS-Ultra.

SEGGER award-winning AppWizard enables the creation of highly efficient and high-quality graphical user interfaces on any embedded system without requiring in-depth knowledge of the emWin graphics library or even the C language for coding.

Providing extensive ecosystem support is a crucial aspect of GigaDevice's MCUs. Utilizing the emWin tool further enhances graphical user interface solutions offered by GD32 Cortex®-M series MCU. SEGGER emWin can help developers achieve professional embedded GUI in a short time, and also has excellent performance on resource-limited platforms. In the end, the corresponding C language program code is generated, which can greatly reduce the development difficulty and the time to market. Drawing on decades of expertise in embedded technology and a comprehensive suite of tools for embedded systems, SEGGER continues to enhance the user experience for GD32 customers by offering greater convenience and efficiency. Furthermore, SEGGER will strengthen the collaboration with GigaDevice to jointly assist customers in accelerating their product launches.

Visit GD32 website or SEGGER Website (Partner page for GigaDevice) for a free commercial GDemWin GUI library that enables professional embedded GUI development based on the GD32 Cortex®-M series MCU hardware platform.

About GigaDevice

GigaDevice Semiconductor Inc. (SSE Stock Code 603986) is a global leading fabless supplier. The company was founded in April 2005 and headquartered in Beijing, China, with branch offices in many countries and regions worldwide, providing local support at customers' fingertips. Committed to building a complete ecosystem with four major product lines – Flash memory, MCU, sensor and analog – as the core driving force, GigaDevice can provide a wide range of solutions and services in the fields of industrial, automotive, computing, consumer electronics, IoT, mobile, networking and communications. GigaDevice has received the ISO26262:2018 automotive functional safety ASIL D certification, as well as ISO9001, ISO14001, ISO45001, and Duns certifications. In a constant quest to expand our technology offering to customers, GigaDevice has also formed strategic alliances with leading foundries, assembly, and test plants to streamline supply chain management. For more details, please visit: www.gigadevice.com.

About SEGGER

SEGGER Microcontroller, now in its 4th decade in the embedded system industry, produces cutting-edge RTOS and Software Libraries, the marketing-leading J-Link and J-Trace debug and trace probes, a fast, robust, reliable, and easy-to-use family of Flasher In-System Programmers and second-to-none software development tools.

SEGGER all-in-one solution emPower OS provides an RTOS plus a complete spectrum of software libraries including communication, security, data compression and storage, user interface software and more. Using emPower OS gives developers a head start, benefiting from decades of experience in the industry.

SEGGER professional embedded development software and tools are simple in design, optimized for embedded systems, and support the entire embedded system development process through affordable, high-quality, flexible and easy-to-use tools.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. SEGGER also has a U.S. office in the Boston area and branch operations in Silicon Valley, a China office in Shanghai, and a UK office, plus distributors on most continents, making SEGGER's full product range available worldwide.



Singel 3 | B-2550 Kontich | Belgium | Tel. +32 (0)3 458 30 33
info@alcom.be | www.alcom.be
Rivium 1e straat 52 | 2909 LE Capelle aan den IJssel | The Netherlands
Tel. +31 (0)10 288 25 00 | info@alcom.nl | www.alcom.nl