

Cypress Extends Licensing of SEGGER's Embedded File System emFile to Include PSoC 6

Additional Modules Enable Development of Even More Secure Embedded Applications

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Semiconductor manufacturer Cypress, a subsidiary of German chipmaker Infineon, has extended its licensing for SEGGER's emFile embedded file system to its latest hardware platform PSoC 6.

The PSoC 6 provides a secure solution for IoT development while supporting multiple security environments without external storage. The Systems-on-a-Chip (SoCs) provide integrated hardware and software security features for IoT systems that require protection from cyber threats and hacking. In this context, SEGGER's [emFile](#) licensing has also been extended to include important modules for the development of such security-sensitive applications. While the FAT file system including Long-File-Name (LFN) support and the SDCard driver was already part of the license agreement, it now includes the following modules:

- [Journaling](#) (component that makes the file system layer fail-safe)
- [Encryption](#) (of entire media or individual files)
- Device drivers for [NOR](#) and [NAND](#) flash memory (fail-safe in case of unexpected reset, wear leveling, bad block management)
- Device drivers for [IDE and CompactFlash](#) (access to data on IDE hard disks and CompactFlash memory cards possible)



“We have maintained a successful business relationship with Cypress for ten years now. Cypress has extended the existing licensing agreement for the latest PSoC 6 microcontroller and, in this context, for other important components providing safety and security,” said SEGGER's CEO Ivo Geilenbrügge. “Cypress’ customers can now also use them free of charge in their embedded projects.”

About emFile

[emFile](#) is a file system library that enables an embedded application or system to store data securely and reliably on any type of storage device. It is a high-performance library optimized for high speed, minimal memory consumption in RAM and ROM, and versatility in working on any embedded device.

The library is the result of more than 20 years of continuous development and is used on billions of devices worldwide, making it a proven file system for the embedded industry. emFile is hardware agnostic and can run on any 8/16/32/64-bit target.

With the new licensing agreement, Cypress’ customers now have even more options to easily develop secure and reliable applications with the lowest memory consumption and highest performance, even on the latest hardware.

For more on emFile please see:

<https://www.segger.com/products/file-system/emfile/>

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About SEGGER

SEGGER Microcontroller has over twenty-eight years of experience in Embedded Computer Systems, producing state-of-the-art software libraries, and offering a full set of hardware tools (for development and production) and software tools.

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

SEGGER's professional software libraries and tools for Embedded System development are designed for simple usage and are optimized for the requirements imposed by resource-constrained embedded systems. The company also supports the entire development process with affordable, high-quality, flexible, 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 and the UK, plus distributors on most continents, making SEGGER's full product range available worldwide.

Why SEGGER?

In short, SEGGER has a full set of tools for embedded systems, offers support through the entire development process, and has decades of experience as the Embedded Experts.

In addition, SEGGER software is not covered by an open-source or required-attribution license and can be integrated in any commercial or proprietary product, without the obligation to disclose the combined source.

Finally, SEGGER offers stability in an often volatile industry making SEGGER a very reliable partner for long-term relationships.

For additional information please visit: www.segger.com

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