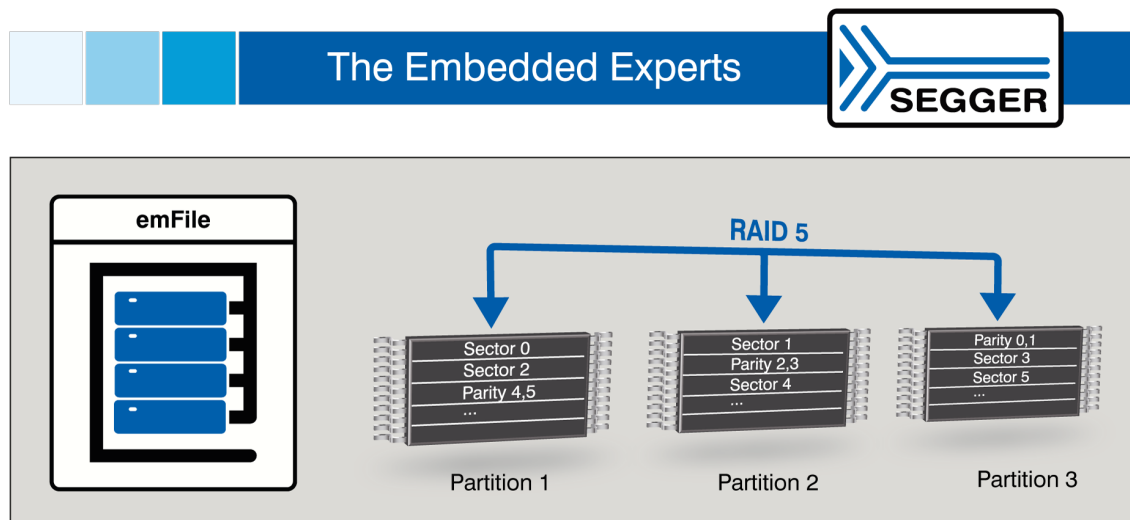It simply works!

SEGGER introduces RAID5 to Embedded Systems

SEGGER adds a RAID5 option to its emFile embedded file system to maximize data integrity and reliability

Monheim, Germany – April 24th, 2019

emFile now with RAID 5 for Embedded Systems

RAID5 delivers unsurpassed data integrity in providing an additional layer of fail-safety on top of the CRC and/or error correction used by the underlying driver or storage medium.

With RAID5, the storage device is divided into several partitions, one of which holds parity information allowing data recovery in case of a partition fail. It can be used on any storage medium and the parity information can be stored on the same storage device (in a separate partition) or on a separate device.

The add-on has a tiny memory footprint, typically using about 1kB of RAM and 3kB of flash memory.

RAID5 is available as an additional option and as an alternative to RAID1. RAID1 has been in the market for many years, and proven its value over and over, but does use 50% of the raw storage capacity for data security. The amount of storage used by RAID5 is configurable, typically using 5% or less.

Being part of the emFile storage layer, the new add-on can also be used for USB Mass storage as well as other applications.

"RAID5 support is the ultimate in data integrity. This is the case especially when used on top of storage mediums that already provide multi-bit error correction,

It simply works!

like our market leading driver for NAND flash. Reliability is as close to 100% as it gets." says Dirk Akemann, Marketing Manager at SEGGER.

For more information on emFile, please go to:

https://www.segger.com/emfile.html

For more information on RAID5, please go to:

https://www.segger.com/products/file-system/emfile/add-ons/raid-5/

About SEGGER

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

SEGGER provides an RTOS plus communication and security software, so developers get a head start, benefiting from SEGGER's 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, and middleware components.

The company was founded by Rolf Segger in 1992, is privately held, and is growing steadily. With now over 50 employees, the majority are engineers headquartered in Germany. SEGGER also has a large U.S. office in the Boston area and branch operations in the U.K and U.S. Silicon Valley, plus distributors on most continents, meaning SEGGER's full product range is offered 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.

It simply works!

For additional information please visit: www.segger.com

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