Execution Profiling Tool for RISC-V and ARM from Ashling

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Ashling announces availability of an integrated Code Execution Profiling Tool for Arm and RISC-V based applications within Ashling’s RiscFree™ IDE and debug solution.

Execution Profiling is a critical tool enabling optimisation and speed improvements in embedded applications. The tools allow developers to determine where the application computing time is spent allowing them to focus their optimisation and speed-improvement efforts on the program areas which will give most return. The profiling display within RiscFree™ provides the developer with a histogram showing total execution time for the individual profiled functions. The call-graph display provides information on how many times individual functions were called and from where. These tools provide developers with a powerful mechanism to ensure the code is executing as efficiently as possible.

RiscFree™ IDE, Ashling’s professional, commercial grade software development environment includes support for embedded 32-bit and 64-bit Arm and RISC-V based devices. The Eclipse based IDE for RISC-V development is a seamless environment for software development from writing and building code to simulating and hardware debugging. RiscFree™ IDE has heterogeneous multicore debug capabilities and can be used together with Ashling’s Opella-XD hardware debug probe and OpenOCD compatible probes.
About Ashling Microsystems
Ashling Microsystems is an international Embedded Software Solutions and Debug Tools company, providing high-performance software and hardware tools for a range of embedded 32-bit and 64-bit architectures. Through its close cooperation with leading semiconductor vendors, Ashling is a world leader in the Embedded Software Development Tools market. Ashling’s development centre is in Limerick Ireland. Ashling has sales and support representatives worldwide. Visit www.ashling.com

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