Renesas Ready Ecosystem Partner Solution
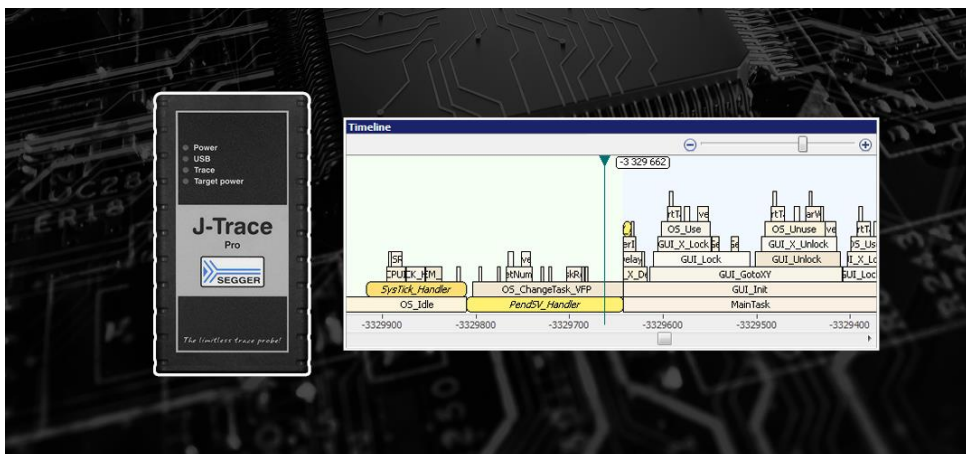# SEGGER J-Trace

RENESAS

PARTNER NETWORK

READY

Solution Summary

SEGGER's J-Trace streaming trace probes are advanced tools designed for thorough code analysis, verification, and profiling. The J-Trace PRO captures complete instruction traces over infinite periods of time, enabling the identification of infrequent hard-to-reproduce bugs. For the best trace experience, it is recommended to use SEGGER's debugger Ozone together with the J-Trace PRO. They are compatible with RA MCUs and RZ MPUs and RISC-V MCUs/MPUs, as well as Renesas Synergy™ Platform MCUs.

Features/Benefits

- Unlimited streaming trace for continuous code execution tracking
- Real-time performance optimization with live code profiling
- Ensure comprehensive test coverage with live code
- IDE compatibility for seamless integration with development environments
- High performance for fast and reliable trace analysis

Diagrams/Graphics

Target Markets and Applications

- Energy-saving IoT appliance
- Healthcare
- Home appliance
- Industrial control
- Smart home

www.segger.com/products/debug-probes/j-trace/

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At SEGGER, we provide a comprehensive suite of tools and software solutions for every stage of creating embedded systems. Our portfolio is organized into five categories perfectly aligning with the workflow of the development process.

Create—Laying the groundwork

Every project requires a solid foundation. SEGGER's efficient software libraries are used to create the application and serve as the building blocks for composing code.

Build—Turning ideas into reality

Once the application code is created, it must be transformed into machine-executable instructions. SEGGER's Embedded Studio, a complete IDE with a flexible toolchain, optimizes speed and resource usage, often lowering project costs.

Debug—Perfecting the application

The debugging process ensures applications are ready for final development steps. SEGGER's market-leading debug and trace probes provide accurate insights, helping optimize the application during test runs.

Verify—Ensuring quality and reliability

No project is complete without thorough verification. SystemView reveals the true runtime behavior of an application, helping developers in ensuring systems perform as intended with powerful profiling and analysis tools.

Program—Delivering the final product

During verification, programming is used to transfer the application to the target hardware and to test it. Once the application is finalized, it is deployed to the intended hardware. Together, the application and hardware become the final product.

Contact us: www.segger.com