[New Release]
RH850 Model-Based Environment
Embedded Target for RH850 Virtual Platform V1.00.00

R20TS0884EJ0100
Rev.1.00
Oct. 16, 2022

Outline

RH850 Model-Based Environment Embedded Target for RH850 Virtual Platform V1.00.00 has been released.

Product web page: www.renesas.com/software-tool/rh850-model-based-environment-embedded-target-rh850-virtual-platform

1. Product Overview

Embedded Target for RH850 Virtual Platform (ET-VPF) is a development environment that generates peripheral code for target devices from Simulink® models and enables cooperative verification as Virtual Hardware In the Loop Simulation (vHILS) in a virtual environment with Simulink.

- Peripheral code is generated from Simulink models, along with the algorithm code, making it easy to check the operation and evaluate the performance of the application including peripheral functions for device selection and prototyping, even if you are not familiar with device specifications.
- The use of a virtual environment enables early verification, even before the WS of the device is completed, and verification can be performed without the need for actual devices.

2. Product Features

- Peripheral code is generated by adding blocks corresponding to the peripheral functions of the device to the model. The peripheral functions support Port, ADC, UART, CAN, and PWM (added sequentially).
- It automatically builds a vHILS verification environment using a virtual environment and enables verification of the cooperation between Simulink and the virtual environment.
- A comparison of vHILS and the Model In the Loop Simulation (MILS) execution results enables back-to-back testing as recommended by ISO 26262.

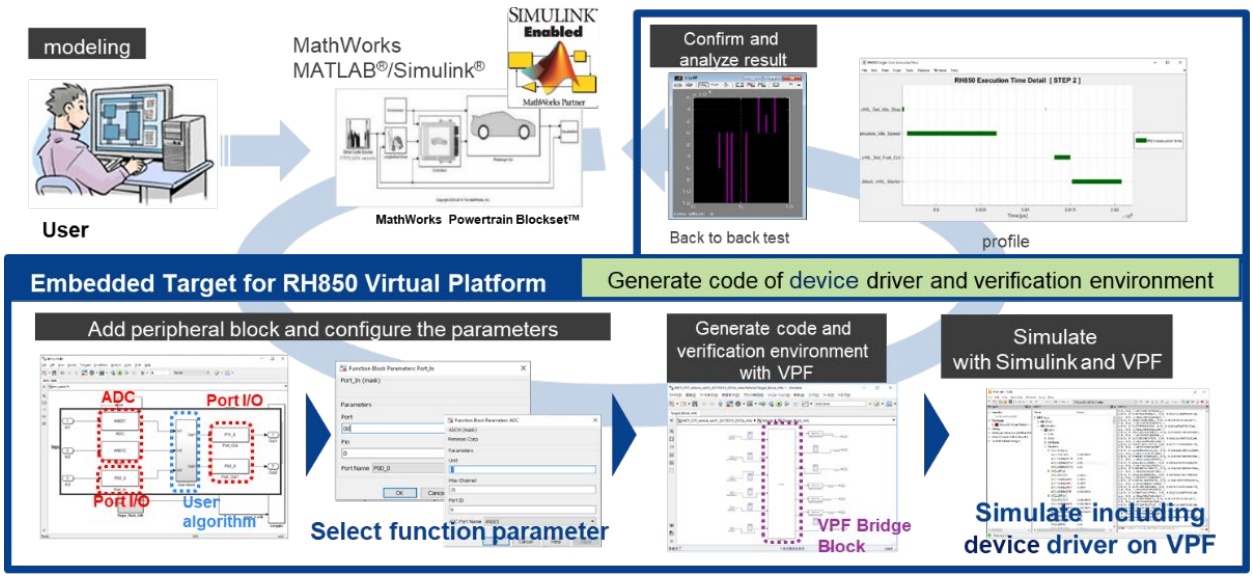

Figure 1: Product overview

3. Target Devices

RH850/F1KM-S1, RH850/F1KM-S4

4. Operating Environment

• Windows® 10 (64-bit version)	Microsoft Corporation
• MATLAB® R2017b	The MathWorks Inc.
• VLAB V2.6.1	Australian Semiconductor Technology Company
• Cygwin V2.11.2	Available at www.cygwin.com
• Smart Configurator for RH850 V1.5.0	Renesas Electronics
• CC-RH V2.04.00 (included in CS+ V8.07.00)	Renesas Electronics

5. Free Evaluation Edition

Before purchasing the product, you can evaluate its performance and functionality with the evaluation edition.

For the evaluation edition, contact your local Renesas Electronics sales office or distributor and inform them of the following product information.

6. Purchasing the Product

Contact your local Renesas Electronics sales office or distributor and inform them of the following product information.

For the price of the product, contact the sales office or distributor

Product name	Embedded Target for RH850 Virtual Platform
Part No.	RTC00CST000000011J

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Oct.16.22	-	First edition issued

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Contact Information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit:
www.renesas.com/contact/

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