

[Released on the Web]

R20TS0257EJ0100

Rev.1.00

Smart Configurator for RH850 V1.0.0

Jan. 16, 2018

Outline

Smart Configurator for RH850 V1.0.0 will be released on the Web. Smart Configurator for RH850 is a standalone tool and operates in linkage with the CS+ integrated development environment.

1. Features

Smart Configurator for RH850 has two functions (driver code generation and pin settings) that ease the embedding of Renesas drivers into your system.

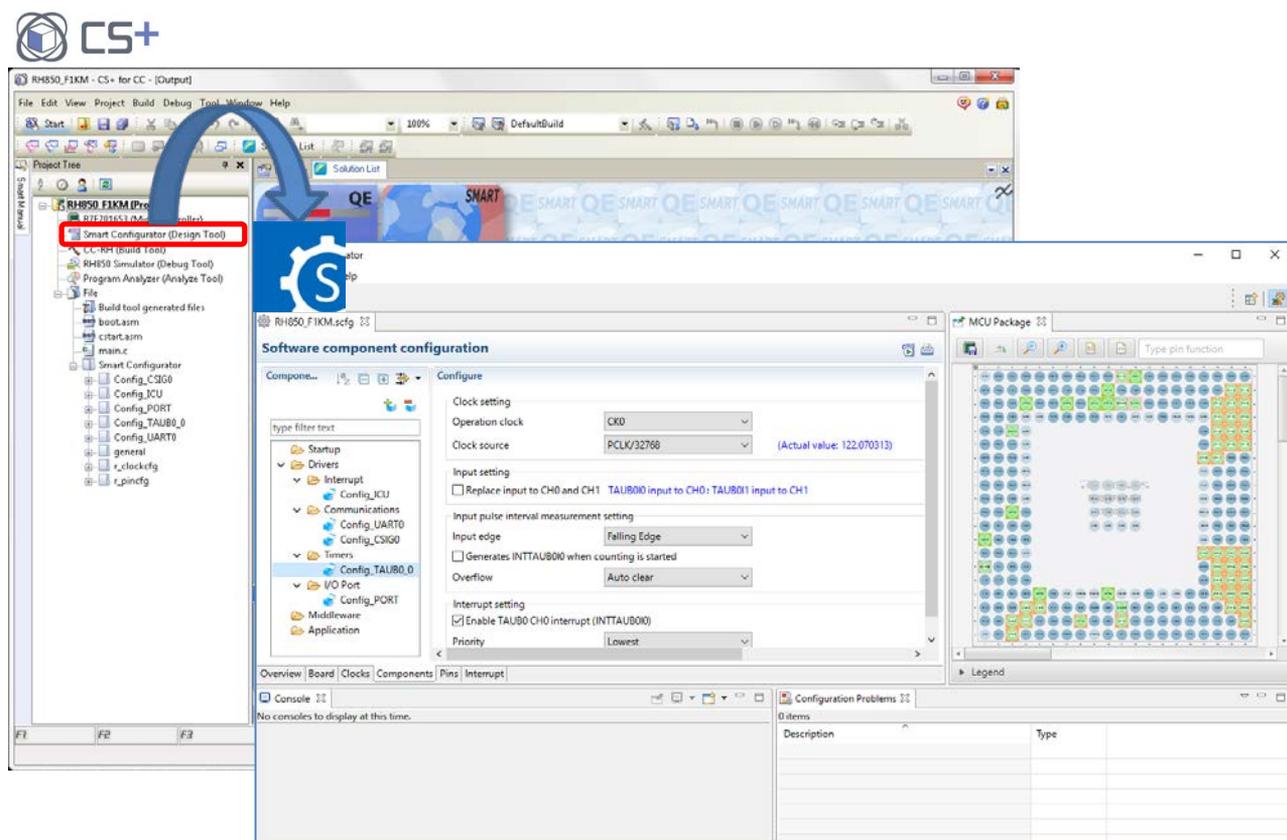
➤ Driver code generation

Peripheral functions are set on the GUI, and the driver code appropriate for the settings is automatically generated. Check for errors in peripheral function settings and changes of channels are also supported.

➤ Pin settings

You can use the pin configuration figures and the pin configuration tables to check and, if necessary, solve conflicts in commonly used pins. If a conflict occurs, you can automatically change the assignment destination by the pin assignment change button, and solve the conflict with a single click.

The following figure shows the system configuration of the Smart Configurator and CS+. Start the Smart Configurator from CS+, and then set the peripheral functions on the GUI of the Smart Configurator. The Smart Configurator generates a driver code according to the specified settings, and then registers it in the project of CS+.



## 2. Supported MCUs

RH850 family: RH850/F1KM-S1 and RH850/F1KM-S4 groups

## 3. Operating Environment

IBM PC/AT compatible

Windows® 10 (32-bit edition, 64-bit edition)

Windows® 8.1 (32-bit edition, 64-bit edition)

Windows® 7 (32-bit edition, 64-bit edition)

Processor: 1GHz or more (Hyper-threading and multi-core CPU are supported.)

Memory capacity: 2 GB or greater is recommended. At least 1 GB is required (Windows 10 and a 64-bit edition of Windows require at least 2 GB).

Hard disk capacity: At least 1 GB of free space

Display: Resolution of at least 1024 × 768, with 65,536 or more colors

## 4. Updating Your Product

Download Smart Configurator for RH850 (installer) and the CS+ plug-in from the URL below to install the program. The installer is scheduled for posting on January 22.

<https://www.renesas.com/smart-configurator#downloads>

- Smart Configurator for RH850 V1.0.0

- The CS+ Smart Configurator communication plug-in for RH850 V1.01.00

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Jan. 16, 2018	-	First edition issued

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