[Upgrade to Revision]
e² studio RX Smart Configurator Plug-in 2024-10,
Smart Configurator for RX V2.23.0

Outline

The products in the title have been updated as follows.

(1) e² studio RX Smart Configurator Plug-in: From 2024-07 to 2024-10

(2) Smart Configurator for RX: From V2.22.0 to V2.23.0

1. Products to Be Updated

➢ e² studio 2024-07 (RX Smart Configurator Plug-in 2024-07) and earlier

➢ Smart Configurator for RX V2.22.0 and earlier

2. Description

The following new and improved features have been added:

- RX Smart Configurator supports new devices RX261 group and RX260 group, microcontrollers with outstanding power efficiency, advanced touch functions and robust security.

- Support GCC RX Toolchain for Smart Configurator standalone

- Support CMake generation for Smart Configurator with Visual Studio Code

- Add WAIT_LOOP comment

From Smart Configurator for RX V2.23.0, WAIT_LOOP comment is added to the generated code. Users can search with this key word to identify the potential code with infinite loop.

- Support encoder and hall sensor for Motor component

- Support magnet sensor for Motor component

- Improve Clock warning icon

From Smart Configurator for RX V2.23.0, warning icon is displayed for both CANFDCLK clock and CANFDMCLK/CAMCLK clock(Applicable devices: RX26T, RX261, RX660).

- Improve Real Time Clock generated code

From Smart Configurator for RX V2.23.0, the generated code for R_Config_RTC_Create function is improved to remove unnecessary code.

- Improve application selection UI of RTOS

From Smart Configurator for RX V2.23.0, there is new check-box to show only supported application by default during project generation.

- Improve API name of Motor component

There is no impact to application code using old API name as there is a macro to convert old API name to new API name.

The following issues have been fixed:

- Fixed I2C master mode with ACK/NACK interrupts

- Fixed Group Scan Mode S12AD with group priority control

- Fixed Continuous Scan Mode S12AD with channel 0

- Fixed Buses with 8-bit data width

- Fixed Developer Assistance for I2C Master Mode

For more information, please refer to the following release notes

➤ Smart Configurator for RX V2.23.0 Release Note (the note will be uploaded on October 22)

   https://www.renesas.com/software-tool/rx-smart-configurator#documents

3. Updating the Product

3.1 Using e^2 studio

By updating e^2 studio, you can also update the Smart Configurator.

For details on how to update e^2 studio, please refer to "3. How to Update" in the following Tool News. (the news will be uploaded on October 22)

https://www.renesas.com/software-tool/e-studio#documents

   RENESAS TOOL NEWS: R20TS1061EJ0100 (October 22, 2024, issue)

   [Upgrade to Version] e^2 studio Integrated Development Environment 2024-10

3.2 Using CS+

(1) Download the latest Smart Configurator for RX from the URL below and install it (V2.23.0 will be released on October 22).

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

   Smart Configurator for RX V2.23.0

(2) On the Windows Start menu, select Programs, Renesas Electronics CS+, and then run the Update Manager (this service will be available from October 22).

Note: If you have started CS+ with the Rapid Startup function enabled, exit CS+, and then start the Update Manager.

If the Rapid Startup function is enabled and the CS+ icon is shown in the Windows notification area, the following error occurs.

M0120001

"CubeSuiteW+.exe"

Installation is suspended because "CubeSuiteW+.exe" is running.

It will be resumed next time you start the tool.

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	October 20.24	-	First edition issued

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TS Colophon 4.3