[Upgrade to revision]

e² studio Code Generator Plug-in

AP4 Coding Assistance Tool for RZ

Outline

We have revised the e² studio Code Generator Plug-in and the AP4 coding assistance tool for RZ.

(1) The e² studio Code Generator Plug-in: V2.3.0 to V2.4.0

(2) The AP4 coding assistance tool for RZ: V1.02.00 to V1.03.00

1. Products and Versions to Be Updated

➢ All revisions up to V5.0.0.43 of the e² studio (with V2.3.0 of the Code Generator Plug-in)

➢ All revisions up to V1.02.00 of the AP4 coding assistance tool for RZ

2. Description of Revisions

The major revision points are as follows. For details, refer to the individual release notes at the URLs below.

➢ e² studio Code Generator Plug-in

e² studio V5.1.0 Release Notes

https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut3806ee

➢ AP4 for RZ V1.03.00 Release Notes

https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut3807ej

When using AP4 for RZ V1.03.00, take note of the known programs. For details of the problems, refer to e² studio V5.1.0 Release Notes discussed in IDE-9534 of "7. Open Issues in 5.0.0.43".

2.1 Improvements to Functionality

The following improvements have been made.

(1) Multi-Function Pin Controller (MPC)

The new revision enables the generation of programs for control by the multi-function pin controller (MPC) of input/output pins for the peripheral modules listed below. Set up the pins in a pin configuration table or pin configuration figure. Checking for conflicts between pin assignments that include those of the below peripheral functions is now also possible.

➢ Ethernet MAC (ETHERC)

➢ Ether CAT slave controller

➢ USB 2.0HS host module (USBh)

➢ CAN interface (RSCAN)

➢ Serial sound interface (SSI)

(2) Usage of pin figures with peripheral modules

Even if the settings for the relevant peripheral module have not been made, the operation of pin functions allocated to selected pins is now possible by using pin configuration tables and pin configuration figures. This improvement provides easy to use functionality to more developers.

(3)   The width of the data bus of the SPI multi I/O bus controller (SPIBSC)

Previously, where the SPIBSC was to be used, the settings had been for the use of all SPBIOn pins (n=0, 1, 2, 3) regardless of the setting for data-bus width.

The settings have been changed so that only those pins required for the selected data bus width are used for the SPIBSC. The pins that are not in use can now be allocated to other peripheral functions.

3.   Updating Your Product

The method of updating depends on the product you are using.

Refer to the following Web page for the details. The updates are free of charge.

3.1   Updating the e² studio Code Generator Plug-in

Refer to Renesas Tool News Number R20TS0044EJ0100 "3. Updating Your Product" for updating of the e² studio.

https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0044ej

You cannot update the Code Generator Plug-in alone.

3.2   Updating the AP4 Coding Assistance Tool for RZ

Download the installer from the URL below to install the program.

https://www.renesas.com/applilet_download

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul. 16, 2016	-	First edition issued
1.01	Sep. 26, 2016	2	2.1 Improvement to Functionality: Changed the description under "(3) The width of the data bus of the SPI multi I/O bus controller (SPIBSC)"

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