[Upgrade to Revision]

C Compiler Package for RL78 CC-RL V1.11.00

Outline

The C Compiler Package for RL78 Family CC-RL has been updated from V1.10.00 to V1.11.00.

V1.11.00 includes feature enhancements such as the improvement in the *-SECURITY_ID* option and the addition of messages.

1. Products to Be Updated

CC-RL V1.00.00 to V1.10.00

2. Description

The main changes are as follows. Refer to the release note in the link below for details.

(The note will be uploaded on January 20th, 2022.)

https://www.renesas.com/software-tool/c-compiler-package-rl78-family#documents

RL78 Compiler CC-RL V1.11.00 Release Note

2.1 Improvement in the *-SECURITY_ID* Option

The size of a security ID value, which is specified in the *-SECURITY_ID* option, is 10 bytes in the previous revisions. In the new revision, the size can be changed. Note that the size of a security ID value varies depending on the device type.

2.2 Addition of Characters That Can Be Specified in Symbol Names

The characters '$' and '.' can now be specified in symbol names. Note, however, that a symbol name must not begin with '$' or '.'.

2.3 Addition of Messages

Error and warning messages about compiler licenses and assembler directives have been added.

2.4 Addition of Assembler Directives

The three directives, *.type*, *.alias*, and *.weak*, which define the symbols in the Assembly Language, have been added.

2.5 Improved Optimization

The function call code sizes and the processing speed have been improved.

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2.6   Issues Fixed

The following issues have been fixed.

- RENESAS TOOL NEWS: R20TS0671EJ0100

  1. Using the pack function (CCRL#027)

     Refer to the tool news in the link below for the details of the problem.

     https://www.renesas.com/search/keyword-search.html#genre=document&q= r20ts0671

- RENESAS TOOL NEWS: R20TS0714EJ0100

  1. When an invalid bit position is specified for a bit-manipulation instruction (CCRL#028)

     Refer to the tool news in the link below for the details of the problem.

     https://www.renesas.com/search/keyword-search.html#genre=document&q= r20ts0714

- RENESAS TOOL NEWS: R20TS0793EJ0100

  1. Use of struct/union type arguments (CCRL#029)

  2. Cast from pointer type to other type (CCRL#030)

  3. Use of an anonymous struct/union (CCRL#031)

  4. Use of an address read from memory after writing the address to the memory (CCRL#032)

     Refer to the tool news in the link below for the details of the problems. (The news will be uploaded on January 20th, 2022.)

     https://www.renesas.com/search/keyword-search.html#genre=document&q= r20ts0793

- FAQ 3000575: Warnings (W0561321, W0561110) occur when using CC-RL V1.10.00 (CC-RL)

  Refer to the FAQ in the link below for the details of the problem.

  https://en-support.renesas.com/knowledgeBase/19936382

- FAQ 3000576: An error (C0564001) occurs when using CC-RL V1.10.00 (CC-RL)

  Refer to the FAQ in the link below for the details of the problem.

  https://en-support.renesas.com/knowledgeBase/19936386

3.   Change in the C/C++ Compiler Package

The C/C++ Compiler Package no longer includes the installation medium (CD/DVD) from January 2022. It is offered as the common compiler package for the integrated development environments (CS+ and e^2 studio) and the orderable part numbers have been consolidated to reflect this change. Refer to the product web page in the link in section 5 for the part number.

The installers of the integrated development environments and the compiler packages are available on the Renesas website to download.

4.   Updating the Product

4.1   Online Update

On the Windows Start menu, select [Renesas Electronics CS+] and start the [Update Manager]. (The service will be available from January 20th, 2022.)

If you are using a floating license, Software for floating license management V2.04.00 is required. Download it from the link below and install it.

https://www.renesas.com/rl78_c_download

4.2   Downloading the Installer

Download the installer from the link below. (The installer will be uploaded on January 20th, 2022.)

https://www.renesas.com/rl78_c_download

Note that License Manager V2.04.00 is required. Download it from the link above and install it.

If you are using a floating license, Software for floating license management V2.04.00 is also required. Download it from the link above and install it.

5.   Purchasing the Product

Contact your local Renesas Electronics sales office or distributor and inform them of the product information. Regarding the price of the product, contact the sales office or distributor.

Refer to the link below for the product name and orderable part number.

https://www.renesas.com/rl78_c

Revision History

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

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Contact Information

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