[Upgrade to Revision] C Compiler Package for RL78 Family [CC-RL] V1.15.00	R20TS1102EJ0100 Rev.1.00 Jan. 20, 2025

Outline

C Compiler Package for RL78 Family [CC-RL] has been updated to V1.15.00.

V1.15.00 includes feature enhancements.

1. Products to Be Updated

For Windows: CC-RL V1.10.00 to V1.14.00

For Linux: CC-RL V1.13.01 to V1.13.02

2. Description

Main changes are as follows. For details, see the release note at the link below.

https://www.renesas.com/rl78-c-documentation

C Compiler Package for RL78 Family V1.15.00 Release Note

2.1 New options

The following options have been added. It is possible to place sections in the divided area.

(1) -STRIDE_SELF_AREA

This option allocates sections in divided areas that exclude the self-RAM area.

(2) -STRIDE_OCDTR_AREA

This option allocates sections in divided areas that exclude the trance-RAM area.

(3) -STRIDE_OCDHPI_AREA

This option allocates sections in divided areas that exclude the hot plug-in RAM area.

(4) -AVOID_SADDR_STACK

This option sets a stack area that excludes the SADDR area.

2.2 Modification of the specifications of the -DEBUG_MONITOR option

For an RL78/G15 or RL78/G16 device specified with the -device option, when the OCD monitoring start and end addresses are omitted by specifying the -DEBUG_MONITOR option, the specifications were modified so that OCD monitoring areas are not allocated.

2.3 Improvement to optimization by the -switch option

Optimization was improved when the compiler automatically selected the optimum output format by omitting the specification of the -switch option.

2.4 Modification of the specifications of conditions for the output of bit-manipulation instructions

When a value is read for a variable qualified as volatile, the specifications were modified so that the compiler outputs bit-manipulation instructions in response to optimization by the compiler.

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2.5   Other change and improvement

Internal errors sometimes occurred in the build process in previous revisions. These errors have been corrected.

3.   Updating the Product

3.1   Online update [For Windows only]

On the Windows Start menu, select [Renesas Electronics CS+], and then run the update manager.

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

https://www.renesas.com/rl78-c-download

3.2   Download the Installer

Download and install RL78 Compiler CC-RL V1.15.00 from the link below.

https://www.renesas.com/rl78-c-download

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

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

4.   Purchasing the Product

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

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

For the product name and orderable part number, refer to the link below.

https://www.renesas.com/rl78-c-order

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.20.25	-	First edition issued

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Contact Information

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