[Upgrade to Revision]

C Compiler Package for RH850 Family V2.04.01

Outline

The C Compiler Package for RH850 Family CC-RH has been updated from V2.04.00 to V2.04.01.

V2.04.01 includes feature enhancements such as the addition of the -RESERVE_PREFETCH_AREA option and correction of the error that occurs on V2.04.00 when using the library.

1. Products to Be Updated

CC-RH V2.00.00 to V2.04.00

The license for V2 is required for CC-RH V2.04.01.

2. Description

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

(The note will be uploaded on September 20.)

https://www.renesas.com/software-tool/c-compiler-package-rh850-family#documents

C Compiler Package for RH850 Family V2.04.01 Release Note

2.1 Addition of the -Xpatch=br_jr Option

The parameter "br_jr" has been added to the compile option -Xpatch.

When this parameter is used, generation of the following instructions are inhibited: br disp9, jr disp22, jr disp32.

The parameter is ignored unless -Xcpu=g3kh.

2.2 Addition of the -RESERVE_PREFETCH_AREA Option

The option -RESERVE_PREFETCH_AREA has been added to the link options.

When this option is used, areas within 16 bytes from the end of a specified section are filled with zero. If a section name is not specified, the end of each executable program section (such as .text) is filled with zero.

2.3 Correction of the Error That Occurs on V2.04.00 When Using the Library

On CC-RH V2.04.00, the error E0562436 often occurs when the size of the compile option double/long double type is set to 4 bytes (-Xdbl_size=4) and then a standard or math library function is used. This problem has been fixed.

Related FAQs:

https://ja-support.renesas.com/knowledgeBase/20424950

https://en-support.renesas.com/knowledgeBase/20471720

3. e² studio IDE Support

e² studio started to support the CC-RH in July 2022. Projects can be created and built with the CC-RH on single-core devices of the RH850 Family (CC-RH V2.04.00 or later and e² studio 2022-07 or later).

Multi-core devices will be supported in the future.

4. 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 e² studio) and the orderable part numbers have been consolidated to reflect this change. For the part number, refer to the product web page.

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

5. Updating the Product

5.1 Online Update

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

(The service will be available from September 20.)

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/rh850-c-download

5.2 Downloading the Installer

Download RH850 Compiler CC-RH V2.04.01 from the link below. (The installer will be uploaded on September 20.)

https://www.renesas.com/rh850-c-download

Note that License Manager V2.05.00 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.

6. 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/rh850_c

Revision History

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

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Contact Information

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www.renesas.com/contact/