[Upgrade to revision] C Compiler Package for RH850 Family V2.03.00	R20TS0644EJ0100 Rev.1.00 Jan. 16, 2021

Overview

The C Compiler Package for RH850 Family CC-RH has been revised from V2.02.00 to V2.03.00.

V2.03.00 includes feature enhancements such as increased flexibility in section allocation and improved optimization.

1. Versions to Be Updated

1.1 Versions to be Updated to CC-RH V2.03.00

CC-RH V2.00.00 to V2.02.00
Note that to use CC- RH V2.03.00, you will need a V2 license.

2. Items Revised in V2.03.00

The major revision points are as follows. Refer to the following release note for details.

This information will be released on January 20.

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

CS+ RH850 Compiler CC-RH V2.03.00 Release Note

2.1 Addition of the -stuff Option

The -stuff option has been added to allocate each variable to a section depending on the alignment value.

Specifying this option can reduce the ROM/RAM size.

2.2 Addition of the -Oalign Option

The -Oalign option has been added to perform optimization that involves a change in the variable alignment condition. Specifying this option can reduce the code size or increase the execution speed.

2.3 Functional Expansion of #pragma section

You can now specify placement-destination sections individually without affecting each other's specification.
- const-type variable and string literal
- non-const-type variable

2.4 Addition of the -VERBOSE Option

The -VERBOSE option has been added to display detailed information during linking. Specifying the CRC parameter, you can view the results of CRC calculation and the address of the output position.

2.5 Improved Optimization

Optimization has been improved so that optimization can be easily applied by moving memory access instructions across built-in function calls or copies of aggregates. Specifying this option can reduce the code size or increase the execution speed.

2.6   Description of Modification

The problems regarding the following 5 points have been fixed.

- RENESAS TOOL NEWS Document No. R20TS0583EJ0100

  1. Note on writing the constant value 0 to a 2-byte area (No.29)

  For details about the problem, refer to the following URL:

  https://www.renesas.com/document/tnn/notes-c-compiler-package-rh850-family-13

- RENESAS TOOL NEWS Document No. R20TS0650EJ0100

  1. Performing the tail call optimization (No.30)
  2. Using the -Xintermodule option (No.31)
  3. Using the -pic option (No.32)
  4. Using the switch statement (No.33)

  For details about the problems, refer to the following Tool News. This information will be released on January 20.
  https://www.renesas.com/software-tool/c-compiler-package-rh850-family#documents

  [Note] C Compiler Package for RH850 Family (No.30-33)

3.   How to Update Your Copy

3.1   Updating Online

Start the update manager from [Renesas Electronics CS+] in the Windows start menu and update the program. This service will be available from January 20.

If you are using a floating license, also download and install Software for floating license management V2.04.00 from the following URL:

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

3.2   Download the Installer from the Web

Download and install RH850 Compiler CC-RH V2.03.00 from the following URL. The installer will be available from January 20.

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

Also download and install License Manager V2.04.00 from the above URL.

If you are using a floating license, also download and install Software for floating license management V2.04.00 from the above URL.

4.   How to Purchase the New Software

When ordering, contact your local Renesas Electronics marketing office or distributor.

For product pricing, make inquiries in the same manner.

For details on purchasing the latest CC-RH, refer to the product page at the following URL:
https://www.renesas.com/rh850_c

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.16.21	-	First edition issued