[Upgrade to revision]

C Compiler Package for RH850 V2.02.00

Outline

The C Compiler Package for RH850 Family CC-RH has been updated from V2.01.00 to V2.02.00.

V2.02.00 includes code optimization and feature enhancements. The professional edition includes improvements to the feature for checking source code against the MISRA-C:2012 rules.

1. Products and Versions to Be Updated

CC-RH V2.00.00 to V2.01.00

To use CC-RH V2.02.00, you will need a V2 license.

2. Description of the Update

The main features of the update are described in the following sections. Features available only to licensed users of the professional edition are marked as [Professional]. For details, refer to the release note at the URL below.

(Scheduled to be released on January 20.)
https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut4647

2.1 End of support for Windows 7

V2.02.00 or later version no longer support Windows 7 as support of Windows 7 by Microsoft ended.

2.2 Improvements to the Feature for Checking Source Code against MISRA-C:2012 rules [Professional]

Rule8.13, Rule14.2, and Rule14.3 have been added as arguments of the -Xmisra2012 option for checking source code against the MISRA-C:2012 rules.

2.3 Support of #pragma section Description in a Function

You can now describe #pragma section in a function. You can specify individual placement-destination sections for a static variable or string literal in a function.

2.4 Generation of Approximation Code for Floating-Point Operations

A compile option (-approximate) to generate approximation code for floating-point operations has been added. Specifying this option generates code for efficient execution of floating-point operations (although the execution results may not be exact).

2.5 Improvement of Code Generation

Code generation has been improved for processing such as below.

- Loop processing

- Ternary operation

2.6 Enabling Overlapping Module Names When Creating Libraries

The -allow_duplicate_module_name option has been added. By specifying this option, you can now allow overlapping module names (object names) to be specified when creating libraries.

2.7   Issues Fixed

The following four issues have been fixed.

- RENESAS TOOL NEWS Document number R20TS0452EJ0100

1.   Comparison expressions in a loop (No.25)

For details, refer to the URL below.
https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0452

-RENESAS TOOL NEWS Document number R20TS0469EJ0100

1.   Mathematical library function atan (No.26)

For details, refer to the URL below.
https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0469

-RENESAS TOOL NEWS Document number R20TS0488EJ0100

1.   #pragma block_interrupt directive (No.27)

For details, refer to the URL below.
https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0488

-RENESAS TOOL NEWS Document number R20TS0528EJ0100

1.   Using the -Xalias=ansi option (No.28)

For details, refer to the URL below.
https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0528

3.   Updating Your Product

3.1   Updating Online

   On the Start menu, select Renesas Electronics CS+ and then start Update Manager to install the update. (This service will be available on January 20.)

   If you are using a floating license, also download and install Software for floating license management V2.03.01 from the following URL.
https://www.renesas.com/rh850-c-download

3.2   Download the Installer from the Web

Download the installer from the URL below. (The installer will be available from January 20.)
https://www.renesas.com/rh850-c-download

Also, download and install License Manager V2.03.01 from the above URL.

If you are using a floating license, also download and install Software for floating license management V2.03.01 from the above URL.

4.   Purchasing the Product

For product ordering, contact your local Renesas Electronics sales office or distributor with the following information.

For product pricing, make inquiries in the same manner.

The information about product names and orderable part numbers is available at the URL below.
https://www.renesas.com/rh850_c

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jan.16.20	-	First edition issued

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