
[Upgrade to revision]
C Compiler Package for RH850 Family V1.04.00

R20TS0055EJ0100
Rev.1.00
Jul. 16, 2016

Outline

We are revising the CC-RH compiler from V1.03.00 to V1.04.00.

1. Product and Versions to Be Updated

CC-RH V1.00.00 to V1.03.00

2. Description of Revision

The following points are to be upgraded. Note that the features which are only available to users holding a registered license for the Professional edition are indicated as [Professional edition]. For details, refer to the release note at the URL below.

This document will be released on July 21.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=r20out3808>

2.1 Improved Optimization

We have improved the performance in the generation of code.

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

The number of MISRA-C: 2012 rules against which source code can be checked has been doubled, from 41 to 82.

2.3 Enhancing the Security of Dynamic Memory Management [Professional edition]

A feature has been added for the detection of illicit operations in the release of heap space.

2.4 Addition of a Feature to Check for Exclusive Control

We have added a feature to check for exclusive control to CS+.

2.5 Problems Fixed

The problems regarding the points below have been fixed.

Renesas Tool News document number 151216/tn2

1. External labels defined after conditional assembly control instructions (No. 7)

For details of the problem, refer to the URL below.

<http://www.renesas.com/search/keyword-search.html#genre=document&q=151216tn2>

Renesas Tool News document number 160216/tn1

1. Designating a member of a packed structure or union in an initializing declaration (No. 8)

For details of the problem, refer to the URL below.

<http://www.renesas.com/search/keyword-search.html#genre=document&q=160216tn1>

Renesas Tool News document number R20TS0051EJ0100

1. Scope of optimization (No.11)

For details of the problem, refer to the URL below.

This document will be released on July 21.

<http://www.renesas.com/search/keyword-search.html#genre=document&q=r20ts0051>

3. Updating Your Product

3.1 Online Updating

On the “Start” menu, select “Programs” and then “Renesas Electronics CS+” to start the Update Manager. This service will be available from July 21.

3.2 Downloading the Installer

Download the installer from the following URL and install the product:

http://www.renesas.com/cs+_download

The program will be available from July 21.

4. How to Purchase the New Software

To check the price or order the product, contact your local Renesas Electronics marketing office or distributor with the product name and name for ordering.

You can check the product names and names for ordering at the URL below.

http://www.renesas.com/rh850_c

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul. 16, 2016	-	First edition issued

TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061 Japan
 Renesas Electronics Corporation

■Inquiry
<http://www.renesas.com/contact/>

Renesas Electronics has used reasonable care in preparing the information included in this document, but Renesas Electronics does not warrant that such information is error free. Renesas Electronics assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein.

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

All trademarks and registered trademarks are the property of their respective owners.