

RENESAS TOOL NEWS on July 16, 2014: 140716/tn5

CubeSuite+ CC-RH Compiler Revised to V1.01.00

We have revised the CubeSuite+ CC-RH Compiler from V1.00.01 to V1.01.00.

1. Descriptions of Revision

1.1 Enhancement of Pipeline Optimization

Pipeline optimization has been enhanced. This may increase the speed of execution when pipeline optimization is enabled.

1.2 Improved Processing for Copying Structures

Structures were copied in 1-byte units in the former version, but the processing has been improved to copy them at an optimum unit according to the alignment value. This improves the speed in copying structures.

1.3 Acceleration of Mathematical Functions

The following mathematical functions have been accelerated:

- `sinf()`
- `cosf()`
- `tanf()`
- `asinf()`
- `atanf()`
- `acosf()`

1.4 Acceleration of Run-Time Functions

Run-time functions for division and remainder operations on arguments of type `long long` have been accelerated.

1.5 Changes in Specifications of Intrinsic Functions

For the following intrinsic functions, the specifiable range of values for `selID` has been extended to 0 to 31 from 0 to 7.

- `__ldsr_rh`
- `__stsr_rh`

1.6 Expansion of -padding Option Specifications

The specifications of the "-padding" linker option, which is used to fill an empty end of a section with data, have been changed.

In V1.00.01, this option only applied padding to sections that contained text data, const variables, or variables with initial values.

In V1.01.00, this option also applies to sections without initial values.

2. Updating Your Product and Ordering Revised Product

2.1 Updating

Online updating is available free of charge. To update either your commercial edition or evaluation edition of CubeSuite+, use either of the following methods.

2.1.1 For CubeSuite+ V2.00.00 or Later

To update your program, use either of the following methods:

(1) On the Start menu, select Programs and then Renesas Electronics CubeSuite+ to start the Update Manager.

This service will be available from July 16.

Note: If your CubeSuite+ has been launched with rapid startup enabled, exit the CubeSuite+ once, and then run the Update Manager.

If the CubeSuite+ is resident in the notification area of Windows (system tray) due to rapid startup, an error occurs and produces the following message:

M0120001

Installation is suspended because "CubeSuite+W.exe" is running.

It will be resumed next time you start the tool.

(2) Download and install CubeSuite+ CC-RH V1.01.00

from the following URL:

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

The above program will be available from on July 22.

2.1.2 For CubeSuite+ V1.03.00 or Earlier

Please download and install the evaluation edition of CubeSuite+ V2.02.00 from the following URL:

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

Then, update your program by using the method in 2.1.1 (1) or (2) above.

2.2 Ordering

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

After purchase, update the CubeSuite+ CC-RH compiler to V1.01.00 using the method in Article 2.1.1 above.

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