

RENESAS TOOL NEWS on August 5, 2010: 100805/tn2

The C/C++ Compiler Package for the RX Family of MCUs Revised to V.1.00 Release 01

We have revised the C/C++ compiler package for the RX MCU family from V.1.00 Release 00 to V.1.00 Release 01.

1. Descriptions of Revision

Here we explain main items in this revision; for further information, see the product's release note.

1.1 Improvement Made

The four files of already-built standard libraries (*.lib files) have newly been included. By using these files of standard libraries, you can save the time required for builds.

The standard library files included are as follows:

- rx600lq.lib: speed-prioritized in little-endian
- rx600ls.lib: size-prioritized in little-endian
- rx600bq.lib: speed-prioritized in big-endian
- rx600bs.lib: size-prioritized in big-endian

1.2 Problems Fixed

1.2.1 The following six problems have been fixed. These problems are described in RENESAS TOOL NEWS Document No. 100805/tn1.

- (1) Problem with initializing a member of a structure-type or array-type variable whose storage class is 'auto' or 'static' referenced within the function'
- (2) Problem with declaring an object whose type is qualified by the `__evenaccess` or `const` qualifier
- (3) Problem with using a loop-controlling variable of type `int` that is 1 or 2 bytes long as an argument to a function
- (4) Problem with converting the value of at least one operand in a bitwise AND operation between two integer-type variables
- (5) Problem with using a structure one of whose member is a bit field as a return value of a function

(6) Problem with assigning constants to members of a structure

by using indirect reference via pointers

For details, see:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=100805tn1>

This Web page will be opened from August 16.

The above URL is one of our global sites.

1.2.2 The problems in which the C4098, C4099, C5000, A4098, and L4000 internal errors arise have been fixed.

1.2.3 The following problem has been fixed. This problem is described in RENESAS TOOL NEWS Document No. 100201/tn2.

- With selecting endian in High-performance Embedded Workshop

For detail, see:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=100201tn2>

1.3 Simulator Debugger Updated

The simulator debugger included in the package has been updated to V.1.01.00. For details of this update, see RENESAS TOOL NEWS Document No. 100516/tn2 at:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=100516tn2>

1.4 Compatibility with Windows(R) 7

The product has been made compatible with the 64-bit and 32-bit editions of Windows(R) 7.

Note, however, that when you run the product on Windows(R) 7, be it 64-bit or 32-bit, you must update your High-performance Embedded Workshop to V.4.08.00. Also see NOTE in Section 2.1 and NOTE 1 in Section 2.2

2. How to Update Your Product and Order the Revised One

2.1 Updating

Online update is available free of charge. Update yours in either of the following ways:

(1) Use AutoUpdate Utility. This service will be available on and after August 16.

(2) Download the update program of the product from:

https://www.renesas.com/rx_c_download

Then execute it. This Web site will be opened from August 16.

The above URL is one of our global sites.

NOTE:

When you run the compiler on Windows(R) 7, update it in either of the above ways and then update your High-performance Embedded Workshop to V.4.08.00. For how to update High-performance

Embedded Workshop to V.4.08.00, see:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=100701tn1>

2.2 First Ordering

When you place an order for the product, supply the following items of information to your local Renesas Electronics sales office or distributor:

Product type: C/C++ compiler package for RX family

Version No.: V.1.00

Release No.: Release 01

Host OS: Windows(R) 7, Windows Vista(R), Windows(R) XP or Windows(R) 2000

NOTICE: The 64-bit editions of Windows Vista(R) and Windows(R) XP are excluded.

For the price of the product, contact the above sales office or distributor.

NOTES:

1. When you run the compiler on Windows(R) 7, install it and then update your High-performance Embedded Workshop to V.4.08.00. For how to update High-performance Embedded Workshop to V.4.08.00, see:
<https://www.renesas.com/search/keyword-search.html#genre=document&q=100701tn1>
2. We are releasing the C/C++ compiler package V.1.01 for the RX family, which includes High-performance Embedded Workshop V.4.08.00, in February 2011.

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