RENESAS Tool News

C/C++ Compiler Package for RX Family Revised to V.1.02 Release 00

We have revised the C/C++ compiler package for the RX family of MCUs from V.1.01 Release 00 to V.1.02 Release 00.

1. Descriptions of Revision

1.1 Compiler
The following functions have been introduced:
(1) Supporting MISRA-C:2004 rule checks
   Option -misra2004 can be used. By using this option, checks based on MISRA-C:2004 rules are made during compilation.
      Example of entering an option: -misra2004=all

   NOTICE:
      Several MISRA-C:2004 rules are not supported. For the supported rule numbers, see the section of the misra2004 option in the supplement to the product manual.

(2) Supporting the generation of code that does not use division instructions
   Option -nouse_div_inst is selectable. By using this option, the code that does not use division instructions (DIV, DIVU, and FDIV) can be generated.

1.2 Problems Fixed
(1) The following problems that were reported in RENESAS TOOL NEWS Document No. 111016/tn2 have been fixed:
   1. With performing bitwise OR operation (|) of -1 or bitwise AND (&) operation of 0 with a function call or a volatile-qualified variable (RXC#016)
   2. With executing a loop containing a conditional operator or an if statement with a loop counter (RXC#017)

3. With updating the value of the variable referenced in a loop
   containing a conditional operator or an if statement by using
   any statement except an assignment one (RXC#018)
4. With referencing a structure containing arrays as members
   by using a pointer to the structure (RXC#019)
5. With referencing an array element of type char twice or more
   times in a function (RXC#020)

   For details of these, see the Web page at:
     http://tool-support.renesas.com/eng/toolnews/111016/tn2.htm
   This Web page will be opened on November 7, 2011.

(2) The problem where the C4098 or C4099 internal error arises has been
    fixed.

(3) The following problem that was reported in RENESAS TOOL NEWS
    Document No. 110916/tn4 has been fixed:
     - With using the -cpu=stride option during linking (LNK-0010)
    For details of this, see the Web page at:
      http://tool-support.renesas.com/eng/toolnews/110916/tn4.htm

2. Updating Your Product and Ordering Revised One

2.1 Updating
Online update is available free of charge. To update yours, do either
of the following:
(1) Use AutoUpdate Utility.
(2) Download the update program of the product at:
      http://www.renesas.com/rx_c_download
   Then execute it.
   The above URL is one of our global sites.

2.2 Ordering
When you place an order for the product, supply the following items
of information to your local Renesas Technology marketing office or
distributor:
   Product type: C/C++ compiler package for RX family
   Host OS: Windows(R) 7, Windows Vista(R) or Windows(R) XP
     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.

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