RENESAS Tool News

CS+ CC-RH RH850 Compiler Revised to V1.02.00

We are revising the CC-RH RH850 Compiler from V1.01.00 to 1.02.00.

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1. Description of Revisions

1.1 Supported G3MH Core
   g3mh can be designated as an argument of the -Xcpu option.

1.2 Added an Option for Designating the Precision of double-type Variables
   A -Xdbl_size option for designating the precision of variables of the
   double and long-double types has been added.

1.3 Added an Option for Selecting the Rounding Mode for Floating Point Types
   A -Xround option for designating the rounding mode for floating point
   constants has been added.

1.4 Added an Option for Changing a Default Allocation Section
   A -Xsection option for changing the allocation of sections from the
   default allocation has been added.

1.5 Added an Option for Designating the Alignment of the Addresses Where
    Functions Start on Four-byte Boundaries
   An -Xalign4 option for designating the alignment of the addresses where
   functions start on four-byte boundaries has been added.

1.6 Output of an Address of Structure Members to a Link Map File
   "struct" has been added as a value for the -show option of the linker.

1.7 Added Predefined Macros
   The number of predefined macros which can be used in compilation or
   assembly has been increased.

1.8 Problems Fixed

The following problem, of which we informed you in RENESAS TOOL NEWS
Document No. 150201/tn4, will be fixed:
- Point to note regarding the use of both judgment of a match and greater
  or less than for variables (No.1)
    For details of this problem, see the following page:
      https://www.renesas.com/search/keyword-search.html#genre=document&q=150201tn4

1.9 Changes to Other Specifications
  The specification of -Xasm_option with the -Xasm_far_jump option has been
  changed.
  The specification when a relative label is designated as the operand for
  a JMP instruction has also been changed.

  Refer to the following web page for the details of the revision.
   https://www.renesas.com/search/keyword-
search.html#genre=document&q=R20UT3315

    CS+ RH850 Compiler CC-RH V1.02.00 Release Note

2. Updating Your Product and Ordering the Revised Product
 Online updating is available free of charge. To update either your
 commercial edition or evaluation edition of CS+, use either of the
 following methods.

2.1 For CS+ V3.00.00 or Later
  (1) Use the update manager
     On the "Start" menu, select "Programs" and then "Renesas
     Electronics CS+" to start the Update Manager.
     This service will be available from March 5.

       Note: If your CS+ has been launched with rapid startup enabled,
           exit the CS+ once, and then run the Update Manager.
           If the CS+ 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 CS+W.exe is
           running.
           It will be resumed next time you start the tool.
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  (2) Download the installer
     Download and install CS+ CC-RH V1.02.00 from the following URL:
      https://www.renesas.com/cs+_download

The above program will be available from March 5.

2.2 For CubeSuite+ V2.00.00 to 2.02.00
  (1) Use the update manager
     Update your program by using the method in 2.1 (1) above.

  (2) Download the installer
     Please download and install the evaluation version of CS+ V3.00.00,
     then download and install CS+ CC-RH V1.02.00 from the following URL:
     https://www.renesas.com/cs+_download
     The above program will be available from March 5.

2.3 Ordering
  When checking prices or ordering, please contact your local Renesas
  Electronics marketing office or distributor.

   Product name: C Compiler Package for the RH850 Family (IDE)
   Order type name: RTCRH8500CL01WDR with medium
                    RTCRH8500CL01WNR license-only, no media

   After purchasing the product, use the method under 2.1 to update the
   CS+ CC-RH compiler to V1.02.00.