

A note on Using High-performance Embedded Workshop (IDE) --With Creating Projects for the R8C/2A, R8C/2B, R8C/2C, and R8C/2D Groups of MCUs--

Please take note of the following problem in using High-performance Embedded Workshop:

- With creating projects for the R8C/2A, R8C/2B, R8C/2C, and R8C/2D groups of MCUs
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1. Description

If you perform a build after creating a project for any member of the R8C/2A, R8C/2B, R8C/2C, and R8C/2D groups, R8C/Tiny MCU series, incorrect names of CPU options and library files are selected, which causes link errors to arise.

2. Conditions

This problem occurs if the following conditions are satisfied:

(1) A workspace is created using the C compiler package--M3T-NC30WA--V.5.43 Release 00 for the M16C MCU series.*

*M16C is the generic name of the M16C/60, /30, /20, /10, /Tiny, and R8C/Tiny series.

(2) To create a project from scratch, a size of 64 KB or more is selected out of the ROM size pull-down list in the New Project-3/6-Setting the Contents of Files to be Generated dialog box.

3. Workaround

Automatically correct the names of CPU options and library files using the following procedure:

(1) Open the Build menu and select "Renesas M16C Standard Toolchain."

The Renesas M16C Standard Toolchain dialog box appears.

(2) Click the Link tab; then select "Input" out of the Categories pull-down list and "Library files" out of the Show entries for pull-down list.

- (3) Double click "r8clib" in the Library File Name list to open the Set Library File dialog box.
- (4) Type "nc30lib" into the Library Name text box to overwrite "r8clib."
- (5) Click the OK button to close the Set Library File dialog box.
- (6) Click the CPU tab on the Renesas M16C Standard Toolchain dialog box.
- (7) Select "Generates code for R8C/Tiny (R8C/2X) series" out of the CPU Type pull-down list.
- (8) Click OK button and close the Renesas M16C Standard Toolchain dialog box.

4. Schedule of Fixing the Problem

We plan to fix this problem in the next release of the C compiler package, M3T-NC30WA, for the M16C series.

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