

A Note on Using H8S/Tiny E100 Emulator Software V.1.00 Release 00

Take note of the problem described below when using H8S/Tiny E100 Emulator Software V.1.00 Release 00.

This emulator software is included with the MCU unit for the E100 emulator R0E420000MCU00. (The R0E420000MCU00 is used to debug systems designed with MCUs of the H8S/Tiny series.)

1. Problem

When you use H8S/Tiny E100 Emulator Software V.1.00 Release 00, the user program breaks at indefinite places other than breakpoints. If this problem arises, message "Unknown break cause" appears in the area where the cause of breaking is displayed on the Status bar.

2. Conditions

This problem arises if the following conditions are all satisfied:

- (1) Software breakpoints are set at addresses where codes are prefetched but not executed during execution of the user program.
- (2) Memory is accessed by using the debugger during execution of the user program. Note that memory can be accessed when you move the Memory window or the Program window or modify either of their sizes, and these cases are also involved in this problem.

3. Workaround

Do not access memory by using the debugger during execution of the user program. In addition, to suppress unintentional access to memory, select the option to neglect the GUI operations in the debugger for accessing memory.

To select this option, follow these steps:

- (1) In High-performance Embedded Workshop, open the Debug menu and select Debug. The Debug Settings dialog box appears.
- (2) Click the Option tab on this dialog box.
- (3) Select the Disabling memory access by GUI when target is executing check box.

4. Schedule of Fixing the Problem

We plan to fix this problem in the next version of the emulator software, which will be released in August 2010.

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