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E10A-USB Emulator Software Revised to V.3.00 Release 01

We have revised the emulator software for the E10A-USB emulators HS0005KCU01H and HS0005KCU02H from V.3.00 Release 00 to V.3.00 Release 01. This emulator software and these emulators are used to develop systems designed with MCUs of the SuperH RISC engine, H8S, and H8SX families.

1. Product and Versions to Be Updated

The emulator software for the HS0005KCU01H and HS0005KCU02H emulators V1.0.00 through V.3.00 Release 00

2. Descriptions of Revision

2.1 Device Group Involved

The following device groups are involved in this revision:

- SH-2 device group

However, only SH7137, SH7080, SH7146, SH7147, and SH7125 series

NOTICE: only when a debug MCU board is used, MCUs of SH7147 series involve.

- SH-2A device group

Problems arising in the above device groups have been fixed as described below.

2.2 Problems Fixed

The following problems have been fixed:

2.2.1 Problems with Downloading Programs to External Flash Memory

- (1) If the size of the data type of the downloaded program are aligned according to the access size selected from among 1 Byte, 2 Bytes, 4 Bytes, and 8 Bytes in the Download Module dialog box, the last data piece smaller than the specified access size is discarded (not programmed).
- (2) If the size of a data type of the downloaded program is different from the bus width selected from among 1 Byte, 2 Bytes, and

4 Bytes in the Configuration dialog box, unnecessary data is written into the external flash memory.

Example: 1-Byte data type for 4-Byte bus width

2.2.2 Problem with Using the Writing Flash Memory Mode

Suppose you are using the E10A-USB emulator in the Writing Flash Memory mode under the management of High-performance Embedded Workshop V.4.05.00 or later. If you close the message box containing a message of "The emulator is disconnected," which appears after a program has been downloaded on the E10A-USB emulator, High-performance Embedded Workshop is forcibly exited.

2.2.3 Problem with Setting AUD Trace after Closing the Task Trace

Window (Only the SH-2A device group involved.)

If you use the Task Trace window in the debugging function for real-time OSes EcxOS and then close it, the AUD mode1 option for setting how to acquire the AUD Trace function is automatically set to Non Realtime trace, so real-time execution of programs may be impaired.

3. How to Update Your Product

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

- (1) Use AutoUpdate Utility. This service is available on and after November 6.
- (2) Follow these steps
 - (a) Download the update program of the product (a .zip file) from:
http://www.renesas.com/e10a_usb_download
This site will be opened from November 6.
The above URL is one of our global sites.

Two types of update program are available. The one consists of the update programs each of which is downloaded individually for the corresponding device group supported by the E10A-USB emulators. The other, the full-package edition, consists of those that can be downloaded at a time for all the device groups. Use either of them as necessary.

- (b) Decompress the downloaded .zip file to obtain the installer program and then execute it.
If you have downloaded the full-package edition of the update programs, you will obtain the HewInstMan.exe file, and if the other, setup1.exe, after decompression.

4. Notice

When the installer program, be it HewInstMan.exe or setup1.exe, is executed in the development system where High-performance Embedded Workshop V.4.04.01 or earlier resides, it will be updated to V.4.05.01.

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