RENESAS Tool News

The E10A-USB Emulator Software Revised to V.2.06 Release 00

We have revised the emulator software for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H) to V.2.06 Release 00. The software and the emulators are used for the SuperH RISC engine, H8S, and H8SX MCU families.

1. **Versions to Be Updated**

   The emulator software V1.0.00 through V.2.05 Release 00
   for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H)

2. **Descriptions of Revision**

   2.1 **Supported Devices Increased**

   The emulator software V.2.06 Release 00 supports the following devices, which the previous version have not supported:

Device Group	Devices
SH-2	R5F70834A * R5F70835A * R5F70844A * R5F70845A * R5F70854A * R5F70855A * R5F70865A *
SH-2A	SH7201
SH-3	SH7660A
New_SH-Mobile	SH7354

SH-4A	SH7781 and SH7774
H8SX	H8SX/1544F and H8SX/1543F

*. These are F-ZTAT versions.
For details of their specifications, see the hardware manuals of those devices.

2.2 Changes Made in the CPU Select Dialog Box

According to the addition of new devices to the SH-2 device group, changes have been made to the CPU names previously provided in the CPU Select dialog box as follows:

CPU Names

Previous	Modified
SH7083	R5E70835R *
SH7084	R5E70845R *
SH7085	R5E70855R *
SH7086	R5E70865R *
SH7146	R5E71464R *
SH7149	R5E71494R *

* These are F-ZTAT versions supporting full functions of E10A.
For details of their specifications, see the hardware manuals of those devices.

2.3 A Problem Fixed

The following problem has been fixed:

Problem:

When the program is executed with cache memory being used, the program is halted at address A, for example, by a software break event. However, if the program is re-executed with the above software break event being valid, the program will not be halted at address A. Note that this problem does not occur if the program is halted at another address B by another software break event before halted at address A.

Condition

This problem occurs if the target MCU is either of the following:
- Any member of the SH7206 group, SH7200 series
- Any member of the SH7261 group, SH7260 series

3. **How to Update Your Product**

Free-of-charge online update is available. If you are using any of the versions concerned, go through the following steps:

(1)   Download the update program of the product from the download site (Global site)

(2)   Decompress the downloaded ZIP file to obtain the install program (a setup.exe file); then execute it.

(3)   Execute the Setup Tool for E10A-USB Emulator program to set up the emulator software for the E10A-USB.

4. **Notices**

(1)   The install program obtained in 3-(2) above cannot change the device group you are using to another one.

(2)   If the install program is executed in the system where the High-performance Embedded Workshop V.4.00.02 or earlier resides, it will be upgraded to V.4.00.03.