

RENESAS TOOL NEWS on December 1, 2010: 101201/tn2

The Emulator Software for the E10A-USB Emulator HS0005KCU04H Revised to V.2.01 Release 00

We have revised the emulator software for the E10A-USB emulator HS0005KCU04H from V.2.00 Release 00 to V.2.01 Release 00. These emulator software and emulator are used to evaluate and debug systems designed with SH2A-DUAL- and SH4A-MULTI-cored MCUs of the SuperH RISC engine family.

1. Product and Versions to Be Updated

The emulator software for the E10A-USB emulator HS0005KCU04H
V.1.00 Release 00 through V.2.00 Release 00

2. Descriptions of Revision

2.1 Command for Power-Down Mode Introduced for SH2A

If programs are halted under the conditions that the SH2A-DUAL-cored MCU is operating in the power-down mode, and clock supplies to the FPU register are stopped, the emulator runs away. This symptom arises because when the SH2A-DUAL-cored MCU is operating in the power-down mode, write and read accesses from the emulator to the FPU register are prohibited by the MCU's specifications.

To eliminate this symptom, we have introduced the FPU_ACCESS command for the SH2A-DUAL-cored MCU, which enables and disables accesses from the emulator to the FPU register.

If you debug programs in which clock supplies to the FPU register can be stopped in the power-down mode, execute the command on the Command Line window as follows to disable accesses to the FPU register:

```
-----  
> fpua disable  
-----
```

To display the Command Line window, open the View menu and select Command Line.

For details of the FPU_ACCESS command, see the FPU_ACCESS section of Command Lines in Emulator Help.

2.2 High-performance Embedded Workshop Updated

The High-performance Embedded Workshop included in the Product concerned has been updated from V.4.07.00 to V.4.08.00. For details of the revision to V.4.08.00, see RENESAS TOOL NEWS Document No. 100701/tn1 at:

<https://www.renesas.com/search/keyword-search.html#genre=document&q=100701tn1>

2.3 Made Compatible with Windows® 7

The product has been made compatible with the 32-bit editions of Microsoft Windows® 7. So you can run debuggers on this OS with standard user rights. Note that the revised product still remains incompatible with the 64-bit edition of Windows® 7.

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 will be available on and after December 6.

Note that if you are using the V.1.00 Release 00 product, you cannot use AutoUpdate Utility; instead, follow the steps described in (2).

(2) Follow these steps:

(a) Download the update program of the product (a .zip file) from:

https://www.renesas.com/e10a_usb_download

This site will be opened on December 6.

The above URL is one of our global sites.

(b) Decompress the downloaded .zip file to obtain the installer program and then execute it.

4. Notice

When the installer program is executed in the development system where High-performance Embedded Workshop V.4.07.00 or earlier resides, it will be updated to V.4.08.00.

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