RENESAS Tool News

E10A-USB Emulator Software Revised to V.2.11 Release 00

We have revised the emulator software for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H) to V.2.11 Release 00.
The emulator software and these emulators are used for the SuperH RISC engine, H8S, and H8SX families of MCUs.

1. Versions of Product to Be Updated

Emulator software for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H)
V1.0.00 through V.2.10 Release 01

2. Descriptions of Revision

2.1 Supported Devices Increased

The following devices have been added to the support line:

Family or CPU Core	Devices
H8S	Devices in H8S/2164F, H8S/2153F, H8S/2472F, and H8S/2462F groups
H8SX	H8SX/1725F devices, H8SX/1720 group
SH-2	SH7142 and SH7147* devices in SH7147 group (SH7147 Series)
SH-2A	Devices in SH7243, SH7285, and SH7286 groups

SH-4A	SH7723 group
New_SH-Mobile	SH7366 group

NOTE:
*When you debug systems designed with SH7142 or SH7147, it is necessary
 to use the debugging MCU board HS7147EDB01H in combination with the
 E10A-USB emulator.
 For details of the HS7147EDB01H MCU board, see RENESAS TOOL NEWS
 Document No. 080301/tn4 on the Web page at
   http://tool-support.renesas.com/eng/toolnews/080301/tn4.htm.

2.2 Problem Fixed
The problem described below has been fixed:

CPU Cores Involved:
 - New_SH-Mobile
 - SH-4A

Problem:
 When a file in the Little Endian format is loaded to debug onto
 an E10A-USB emulator, the final data in the file cannot correctly be
 written if its width is smaller than the one specified as the Access
 size in High-performance Embedded Workshop (for example, the final data
 is 4 bits wide though the specified access size is 16 bits).

2.3 Start/Stop Function Introduced
Introduced has been a capability to execute the specified functions
and subroutines in the user program immediately before the program is
executed and after it is stopped.
This capability can be used for any MCU in the SH-2 device group
except SH7047F, SH7145F, SH7144F, SH7615, SH7616, SH7618, SH7619,
SH7606, and SH-2_custom_MCU.

3. How to Update Your Product
Free-of-charge online update is available. Use AutoUpdate Utility
(effective on and after March 6); otherwise use the following procedure:
(1) Download the update program of the product (a ZIP file) from
    the Web site at
      http://www.renesas.com/e10a_usb_download
    This site will be opened from March 5 on.

(2) Decompress the downloaded ZIP file to obtain the installer program
    HewInstMan.exe and execute it.

4. Notice

If the installer program is executed in the development system where
High-performance Embedded Workshop V.4.03.00 or earlier resides,
it will be upgraded to V.4.04.01.