

The E10A-USB Emulator Software Revised to V.2.08 Release 00

We have revised the emulator software for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H) to V.2.08 Release 00. (The emulator software and emulators are used for the SuperH RISC engine, H8S, and H8SX families of MCUs.)

1. Product and Versions to Be Updated

Emulator software V1.0.00 through V.2.07 Release 00
for the E10A-USB emulators (HS0005KCU01H and HS0005KCU02H)

2. Descriptions of Revision

2.1 Supported MCUs Increased

The following MCUs have been added to the support line:

Device Group	Devices
H8S	H8S/2125F
SH-2A	SH7263 and SH7203

2.2 Functions Introduced

The following functions have been introduced:

(1) Updating the emulator firmware without using the setup tool

In every E10A-USB emulator whose serial number is included in those listed below, the emulator firmware can be rewritten without using the setup tool.

Type Name	Serial Nos.
HS0005KCU01H	03311C and later
HS0005KCU02H	04146E and later

If you are using the emulator having any serial number except the above, you need to use the setup tool as before to rewrite

the emulator firmware.

(2) Automatically reconnecting the emulator to the PC after the TimeOUT error

If the TimeOUT error arises while any MCU in the following device groups is targeted for debugging, the message to confirm reconnecting in the same dialog box where the TimeOut error was displayed appears and the E10A-USB emulator can automatically be reconnected to the PC without ending the emulator software:

Device groups: SH-4A and New_SH-Mobile

If the TimeOUT error arises while an MCU in any device group except the above is targeted for debugging, you need to close the emulator software and restart the emulator as before.

(3) Setting the TCK clock to the maximum value

If any MCU in the following device groups is targeted for debugging, the emulator software can be launched with the TCK clock being set to the maximum value that is allowable for the E10A-USB emulator and within a range where the emulator can communicate with the user system.

Device groups: SH-4A and New_SH-Mobile

If an MCU in any device group except the above is targeted for debugging, you need to set the TCK clock to the minimum value allowable for the E10A-USB emulator.

When the SH7780 MCU is targeted, for example, and the values of the TCK clock allowable for the E10A-USB emulator are 20 MHz, 10 MHz, 5 MHz, 2.5 MHz, and 1.25 MHz, the TCK clock is set to either of the following values:

Version of Emulator Software	TCK Clock Value
V.2.07 or earlier	1.25 MHz
V.2.08 or earlier	20 MHz (if communication possible)

3. How to Update Your Product

Free-of-charge online update is available.

(1) Download the update program (a ZIP file) of the product from the Web site.

This Web site will be opened from April 25 on.

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

4. NOTICE:

If the install program in 3. (2) above is executed in the system where the High-performance Embedded Workshop V.4.01.01 or earlier resides, it will be upgraded to V.4.02.00.

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