# RENESAS Tool News

**RENESAS TOOL NEWS on June 16, 2012: 120616/tn1**

# Note on Using E1/E20 Emulator Debuggers for RX Family Included in Integrated Development Environment CubeSuite+

When using the E1/E20 emulator debuggers for the RX family of MCUs included in the integrated development environment CubeSuite+, take note of the following problem:

- With using the 64-bit counter as a timer

---

## 1. Products and Versions Concerned

The E1/E20 emulator debuggers for the RX family included in the following CubeSuite+ are concerned with this problem:
- The CubeSuite+ whose common programs are of V1.01.00, V1.01.01, or V1.02.00
- The evaluation edition of CubeSuite+ whose common program is of the same as the above

## 2. Description

If you use the 64-bit counter as a timer, the results of measurement are given only by the lower 32-bit values.

Note, however, that this problem does not arise in the RX E1/E20 emulator debugger for High-performance Embedded Workshop.

## 3. Conditions

This problem arises if the following conditions are all satisfied:
(1) You use any MCU of the RX600 series on the system.
(2) You select YES in the Use 64bit counter property.

To do so, click the Debug tool settings tab of the Properties panel in the emulator debugger to open a list. In the Timers category, you will see the above property.

## 4. Workaround

Do not use the 64-bit counter, but use the 32-bit one for time measurement by selecting NO in the Use 64bit counter property.

## 5. Schedule of Fixing Problem

We plan to fix this problem in the E1/E20 emulator debuggers for the RX family included in CubeSuite+ V1.03.00.

---