

RENESAS TOOL NEWS on May 1, 2011: 110501/tn1

The Real-Time OS HI7000/4 for MCUs of the SuperH Family Revised to V.2.03 Release 00

We have revised the real-time OS HI7000/4 for MCUs of the SuperH family from V.2.02 Release 06 to V.2.03 Release 00.

HI7000/4 is used for the MCUs with SH2-DSP, SH-1, SH-2, SH-2A, and SH2A-FPU cores.

1. Descriptions of Revision

1.1 Interrupt Response Time Reduced

Interrupt response time has been reduced during execution of the following service calls:

get_mpl, pget_mpl, tget_mpl, rel_mpl, irel_mpl, ref_mpl, and ief_mpl

1.2 Large Memory Pool Function Introduced

The Large Memory Pool function has been introduced.

In this function, processing time has much been reduced than the Variable-Sized Memory Pool function when large memory is used.

2. How to Update Your product and Purchase the Revised One

2.1 Updating

If you are using HI7000/4 V.2.00 Release 00 or later, free-of-charge update is available online. Download the installer of the revised product from:

http://www.renesas.com/hi7000_4_download

Then execute it. This installer will be published on the Web site on and after May 11.

Note that the update from the V.1 product is unavailable. Purchase V.2.03 Release 00 if necessary.

2.2 First Ordering

When you place an order for the product, supply the following items of information to your local Renesas Electronics sales office or distributor:

Product type: HI7000/4
Type name: R0R40700TXW02w
Version no.: V.2.03
Release no.: Release 00
Host OS: Windows XP or Windows 2000

For the price of the product, also contact the above sales office or distributor.

NOTE:

Letter w denotes a type of license. It shall be replaced with any one of the following numeral and letters:

- 1: Evaluation license: The real-time OS can be installed only to one host computer.
- 5: Evaluation license: The real-time OS can be installed up to 5 host computers.
- A: Evaluation license: The real-time OS can be installed up to 10 host computers.
- K: Mass-production license: The real-time OS can be embedded up to 1,000 products with the source code closed.
- U: Mass-production license: The real-time OS can be embedded up to unlimited products with the source code closed.
- Z: Mass-production license: The real-time OS can be embedded up to unlimited products with the source code disclosed.

Example:

For mass-production license up to 1,000 products with the source code closed, the type name is R0R40700TXW02K

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