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RI600V4 Real-time OS for the RX Family Release of Trial Software of RI600V4 Real-time OS on Website

We will be releasing a trial software of the RI600V4 real-time OS for the RX family on our website.

1. Overview

We will be releasing a trial software of the RI600V4 real-time OS for the RX family on our website.

Performance and functionality of the trial software are same as the product version. Therefore, users will be able to use the free version in evaluation before purchasing the product version.

The RI600V4 real-time OS for the RX family is a real-time OS conforming to the uITRON specification, the predominant OS for embedded systems in Japan. The real-time OS is designed to be compact yet has outstanding real-time features and abundant system calls to realize embedded systems with high-quality real-time and multi-tasking environments.

In addition, compatibility with the CS+ and e2studio integrated development environments, and a configurator which automatically generates definition files, will help you to develop applications more easily and quickly.

Refer to URL below for an overview of the product.

<https://www.renesas.com/ri600v4>

2. Features

- Conforms to the uITRON 4.0 specification
- Realizes ROMization

ROMization proceeds on the assumption that the real-time OS is to be embedded in the environment where the code is to be executed, and the design is for compact code in which only those service calls used in the system by the user are linked at the time the system is configured.

- Coordinated with the CS+ and e2studio integrated development

environments

Functions below are supported in coordination with the CS+ and e2studio environments

- Automatic setting of options required for building the OS
- Display of the states of objects under control by the OS, such as tasks and semaphores.

3. Supported MCUs

RX family RX600 series
 RX200 series
 RX100 series

4. Cautionary Notes

(1) Difference with the Product Version

The RI600V4 real-time OS of the trial Software has the restrictions described below.

Restrictions:

The RI600V4 real-time OS is forcibly shut down after running for an hour.

When the OS is shut down, the program jumps to the system down routine "_RI_sys_dwn__".

At this time, 0x40 is passed to the first argument, "type", of "_RI_sys_dwn__".

(2) Using the OS for Finished Products

We do not provide technical support for the trial software.

If you intend to embed the RI600V4 real-time OS in a finished product, use the product version.

(3) Prohibition of Redistribution

Redistribution of the software tool to third parties is strictly prohibited.

(4) Support Provided

No support, including responses to inquiries through contact points, is provided for the trial software.

Please accept this before using the trial software.

5. Obtaining the Trial Software

Download the trial software and the accompanying manuals from the URL below.

Posting of the trial software is scheduled for November 20.

https://www.renesas.com/ri600v4_download

Install the software tool in accord with the instructions in the starting manual.

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