RENESAS Tool News

Now Available: Integrated Development Environment CubeSuite+

We have launched CubeSuite+ V1.00.01 to provide users with an integrated development environment.
CubeSuite+ license is available in two types, one for V850 and the other for RL78 family, 78K0R and 78K0.

1. Overview

CubeSuite+ (Cube suite plus) is an integrated development environment (IDE) that provides, in a single package, all the basic software tools that you need for developing various target programs such as compilers, assemblers and emulator debuggers.

As a successor to CubeSuite, CubeSuite+ V1.00.01 has expanded the range of supported devices to include MCU RL78 family in addition to V850, 78K0R and 78K0. The license of CubeSuite is also valid for CubeSuite+. We plan to further upgrade CubeSuite to support a wider variety of devices.

For more information about CubeSuite+, please visit our site at:
    http://www.renesas.com/cubesuite+
The above URL is one of our global sites.

2. Features

Among the prominent features of this product are:
(1) Operation Made Easy by Tutorial Guides and Code-generation
    A variety of tutorial guides are provided, allowing the first-time users to quickly learn the operation. Furthermore, device driver programs can be generated easily using its code-generation function,

thus reducing the burden of setting peripherals when using MCU for the first time.

(2) Easy and Smooth Software Development
The Rapid Build function will automatically start the build in the background to achieve time reduction.
The Action Event function will also display the variables during the execution of the programs. You can simply right-click on the variable you wish to monitor and add it to the action event.

(3) High Reliability Achieved through Expansive Functions
Following functions are available to enhance the program performance at the user' site.

 - Variable Transition Graph Function
Changes of multiple variables are graphically indicated, allowing users to grasp the relation between each variable at a glance.

 - Call-graph Function
Uses a tree structure to represent the call relation between each function in the user's program.

 - Python Console Function
Describes in script and executes operations repetitively performed before and after downloading programs and after breaking programs.

 - Backup Function
Saves and restores entire sets of tools and projects as a single unit, allowing you to save and restore the environment once your software development is complete.

3. Supported MCUs

CubeSuite+ V1.00.01 supports the following MCUs:
 - 32-bit MCUs of the V850
 - 16-bit MCUs of the RL78 family
 - 16-bit MCUs of the 78K0R
 - 8-bit MCUs of the 78K0

For the types of supported MCU, click "Target devices and support function list" at the bottom of the following Web site:
   http://www.renesas.com/cubesuite+

The above URL is one of our global sites.

4. Compatibility with Emulators

CubeSuite+ V1.00.01 is compatible with the following emulators:
 - On-chip debugging emulators E1 and E20
 - In-circuit emulator IECUBE

5. Build Tools

The build tools and their versions included in CubeSuite+ V1.00.01 are
as follows:
  - CA78K0 V1.20 (build tool for 78K0)
  - CA78K0R V1.20 (build tool for 78K0R and RL78)
  - CA850 V3.50 (build tool for V850)
  - CX V1.20 (build tool for V850)

6. How to Obtain the Evaluation Version

You can evaluate the functions and performances of CubeSuite+ before
purchasing it. Download the evaluation version of CubeSuite+ at:
    http://www.renesas.com/cubesuite+_download
The above URL is one of our global sites.

When installing the evaluation version, enter your license No. for
CubeSuite or for CubeSuite+ (optional) to use it as a commercial version.

7. How to Purchase the Product

When ordering, please contact our local sales offices or distributors.