

RENESAS TOOL NEWS on March 24, 2014: 140324/tn1

Integrated Development Environment CubeSuite+ Revised to V2.02.00

We have revised the integrated development environment CubeSuite+ from V2.01.00 to V2.02.00.

NOTE:

CubeSuite+ is not generally promoted in the U.S. and Europe. For customers in the U.S. and Europe who are interested in CubeSuite+, please contact our regional marketing departments for details.

1. Products to Be Updated

CubeSuite+ Common Program V1.00.00 through V1.03.00, and V2.00.00 through V2.01.00

To check to see the version number, refer to the following URL:

https://www.renesas.com/cs+_ver

2. Descriptions of Revision

2.1 CubeSuite+ Common Program (with building, debugging, analysis, and other capabilities)

This software has been updated from V2.01.00 to V2.02.00.

The main items updated in V2.02.00 are as follows:

(1) Improvement of CubeSuite+ functionality

- Change in the operation environment
Support for Windows 8.1 has been started from this version while support for Windows XP has been ended.
- Addition of supported MCUs
Support has been started for MCUs of the RX64M group having the new RXv2 CPU core for the RX family.
- Functional enhancement of the Project Tree panel
- Addition of an Error List panel
- Functional enhancement of the Property panel

- Functional enhancement for saving projects for the e2 studio, the Renesas Eclipse-based integrated development environment (target: RX family)
- Functional enhancement for displaying the detailed version information

(2) Improvements to the editor

- Addition of a function to display error and warning messages
- Functional enhancement for the display of corresponding brackets
- Functional enhancement of the smart edit function (targets: RX family, RH850 family, and V850 family products with the V850E2 core)
- Addition of a function to select display features for large files

(3) Improvements to the I/O Header File Generation

(target: RH850 family)

- Addition of a function to set I/O Header Generation options
- Improvement of the I/O Header file format

(4) Improvements to the debugging tool

- Addition of a coverage function (When the E20 emulator is used with the RX64M group)
- Functional enhancement to execute a specified routine (When the E1 or E20 emulator is used with the RX family)
- Functional enhancement of Step execution (When the E1 or E20 emulator is used with the RX family)
- Addition of power supply function (When the E1 emulator is used with the RH850 family)
- Addition of ability to set breakpoints while the CPU is running (When the E1 emulator is used with the RL78 family)
- Improvement of data flash emulation (When the IECUBE emulator is used with the RL78 family)
- Addition of supported MCUs for the RL78/G10 simulator

(5) Problems with the debug tool fixed

The following problems have been fixed:

- With debugger property settings (target: V850 family)

For details of the problem, see RENESAS TOOL NEWS Document No. 140116/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140116tn1>

- With building or downloading a program (target: V850 family)

For details of the problem, see RENESAS TOOL NEWS Document No. 131201/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=131201tn1>

- With stopping of the high-speed on-chip oscillator during operation of a subsystem clock in the RL78/G14 group of MCUs (target: RL78 family)

For details of the problem, see RENESAS TOOL NEWS Document No. 130916/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=130916tn1>

- With Step Over execution (targets: RL78 family, 78K0R, and 78K0)

For details of the problem, see RENESAS TOOL NEWS Document No. 140316/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140316tn1>

(6) Improvement of the program analysis tool

- Functional enhancement of the program analysis tool (target: RX family)

(7) Improvement of Python console

- Addition of Python functions
- Addition of Python classes
- Addition of Python properties

For details, go to:

<https://www.renesas.com/cubesuite+/CubeSuitePlus.html>

This page will be updated on March 24, 2014.

2.2 Code Generators

(1) CubeSuite+ RL78, 78K0R, and 78K0 code generator (CubeSuite+ Code_Generator for RL78_78K)

This generator has been updated from V2.01.00 to V2.03.00.

The main items updated in V2.03.00 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RL78/L1C group of MCUs (RL78 family)

(b) Problems fixed

The following problems have been fixed:

- With code for initialization when setting external interrupts (78K0R/Kx3-L)
- When a RL78/G13 product in a 100-pin package is selected (RL78/G13 Group)
- With the key input interrupt setting (RL78/L12 Group)
- With A/D converter operation setting (RL78/G1A Group)
- When the timer KB20 is in use (RL78/L13 Group)

For details of the problems, see RENESAS TOOL NEWS Document No. 131016/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=131016tn1>

For details, go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_Code_Generator_for_RL78_78K.html

This page will be updated on March 24, 2014.

(2) CubeSuite+ RX code generator (CubeSuite+ Code_Generator for RX)

This generator has been updated from V1.00.00 to V1.01.00.

The main items updated in V1.01.00 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RX110 group of MCUs (RX family)

(b) Addition of PinView function

PinView function, which displays pin settings for the MCU, has been supported.

For details, go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_Code_Generator_for_RX.html

This page will be updated on March 24, 2014.

2.3 Device Information

(1) CubeSuite+ Device Information for RL78 Family and 78K

(CubeSuite+ DevInfo_RL78_78K)

This information has been updated from V1.00.15 to V1.00.17.

The main items updated in V1.00.17 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RL78/G10 Group of MCUs (RL78 Family)
- RL78/L1C Group of MCUs (RL78 Family)

(b) SFR information modified

The SFR information in the following MCUs group has been modified:

- RL78/L1C Group of MCUs (RL78 Family)

(c) Problem fixed

The following problem has been fixed:

- With an on-chip debug option byte value is neither specified as the link options setting for the CA78K0R compiler nor in

an assembler source file

For details of the problem, see RENESAS TOOL NEWS Document
No. 140316/tn2

<https://www.renesas.com/search/keyword-search.html#genre=document&q=140316tn2>

For details go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RL78_78K.html

This page will be updated on March 24, 2014.

(2) CubeSuite+ Device Information for RX Family (CubeSuite+ DevInfo_RX)

This information has been updated from V1.00.07 to V1.01.00.

The main items updated in V1.01.00 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RX64M group of MCUs (RX family)

(b) Modification of device information

The device information relevant to the following MCUs has been modified:

- RX110 group of MCUs (RX family)

For details, go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RX.html

This page will be updated on March 24, 2014.

(3) CubeSuite+ Device Information for RH850 (CubeSuite+ DevInfo_RH850)

This information has been updated from V1.00.01 to V1.00.02.

The main items updated in V1.00.02 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RH850/F1L group of MCUs (RH850 family)

(b) Modification of device information

The device information relevant to the following MCUs has been modified:

- RH850/F1L group of MCUs (RH850 family)

For details, go to:

https://www.renesas.com/cubesuite+/CubeSuitePlus_DevInfo_RH850.html

This page will be updated of March 24, 2014.

3. Updating Your Product

Online updating is available free of charge. The updating methods depend on the editions of CubeSuite+.

3.1 For CubeSuite+ V2.00.00 or later

To update your program, use either of the following methods:

(1) On the Start menu, select Programs and then Renesas Electronics CubeSuite+ to start the Update Manager.

This service will be provided from March 24, 2014.

Note: If your CubeSuite+ has been launched with rapid startup enabled, exit the CubeSuite+ once, and then run the Update Manager.

If the CubeSuite+ is resident in the notification area of Windows (system tray) due to rapid startup, an error occurs and produces the following message:

M0120001

Installation is suspended because "CubeSuite+W.exe" is running.

It will be resumed next time you start the tool.

(2) Download the software tools you want from the web site at:

https://www.renesas.com/cs+_download

The above tools will be published on this web site on March 26, 2014.

3.2 For CubeSuite+ V1.03.00 or Earlier

Please download and install the evaluation edition of CubeSuite+ V2.02.00 from the following URL:

https://www.renesas.com/cs+_download

The installer will be published on this web site on March 26, 2014.

4. Downloading Evaluation Edition

Before purchasing any of the commercial editions of CubeSuite+, you can evaluate its performance and functionality by using the evaluation edition of CubeSuite+. To do so, download the evaluation edition from the web site at:

https://www.renesas.com/cs+_download

The installer will be published on this web site on March 26, 2014.

If you enter a license for CubeSuite or a separately purchased license for CubeSuite+ when installing the evaluation edition, you can use it as the commercial edition.

5. Ordering

When ordering, please contact your local Renesas Electronics marketing office or distributor.

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