

RENESAS TOOL NEWS on September 30, 2013: 130930/tn1

Integrated Development Environment CubeSuite+ Revised to V2.01.00

We have revised the integrated development environment CubeSuite+ from V2.00.00 to V2.01.00.

Note:

CubeSuite+ is not generally promoted to U.S. and European customers. Customers in the U.S. and Europe who are interested in CubeSuite+ are requested to contact our regional marketing departments for details.

1. Products to Be Updated

CubeSuite+'s Common Program Group V1.00.00 through V1.03.00, and V2.00.00

To check to see the version number of the common program group of CubeSuite+, follow these steps:

- (1) Start CubeSuite+.
- (2) On the Help menu, select the About command.
- (3) In the Version information dialog box, see the version number of CubeSuite+.

Here the expression displayed is not CubeSuite+'s Common Program Group, but it shows the version number of this software.

2. Descriptions of Revision

2.1 CubeSuite+'s Common Program Group (with the building, debugging, analysis capabilities, and others)

This software has been updated from V2.00.00 to V2.01.00.

The main items of updating in V2.01.00 are as follows:

- (1) Improvement of CubeSuite+ functionality
 - Addition of new MCUs
This version newly supports the RH850 family of MCUs.
 - Addition of support for code generation
This version newly supports code generation for

the RX100 series.

- Enhanced menus
- Enhanced toolbar
- Enhanced facility to change the target MCUs (RL78 and 78K0R)
- Addition of command-line options in CubeSuite+
- Enhanced facility for creating multi-core projects (RH850)
- Enhanced Property panel

(2) Improvements of the editor

- Addition of a Bookmark menu item
- Enhanced highlighting
- Enhanced zooming in and out
- Enhanced display of tooltip information
- Enhanced mixed display of source code
- Improvements of processing for saving the content of

an editor to a file

(3) Problem fixed on the editor

The following problem has been fixed:

- With occurrence of error E2000003 in saving files

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>

(4) Improvements of the build tool

- Addition of a facility for making dependency settings
- Enhanced Property panel
- Addition of the upper limit on the number of errors in building
- Enhanced facility for updating dependencies

(5) Problem fixed on the build tool

The following problem has been fixed:

- With building a project for a real-time OS

For details of the problem, see RENESAS TOOL NEWS Document No. 130516/tn2
<https://www.renesas.com/search/keyword-search.html#genre=document&q=130516tn2>

(6) Improvements of the debugging tool

- Enhanced Memory panel
- Enhanced Watch panel
- Enhanced Events panel (RX)
- Addition of hot plug-in function for E1 emulator (RL78)

(7) Problem fixed on the debugging tool

The following problem has been fixed:

- With executing programs in steps when reading out the data from the data flash memory

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>

(8) Improvement of the program analysis tool

- Enhanced Analysis Chart panel

(9) 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 September 30, 2013.

2.2 Code Generators

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

(CubeSuite+ Code_Generator for RL78_78K)

This generator has been updated from V2.00.00 to V2.00.01.

The main items of updating in V2.00.01 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RL78/G10 group of MCUs (RL78 family)
- RL78/L13 group of MCUs (RL78 family)

(b) Problems Fixed

The following problems have been fixed:

- When the port cannot be set properly

For details of the problem, see RENESAS TOOL NEWS Document

No. 130701/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=130701tn1>

- With using the code generator for the RL78/G12 group of MCUs

For details of the problem, see RENESAS TOOL NEWS Document

No. 130801/tn1

<https://www.renesas.com/search/keyword-search.html#genre=document&q=130801tn1>

(c) Deletion for the following MCUs:

- RL78/I1A group of MCUs (RL78 family)

We plan to support the RL78/I1A group again in the next version.

If you need the code generator of the RL78/I1A group up to

the above time, please consult your local Renesas Electronics marketing office or distributor.

For details, go to:

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

This page will be updated on September 30, 2013.

(2) CubeSuite+ V850 code generator

This generator has been updated from V2.00.00 to V2.00.01. This updating is only a change of version number associated with the updating of the CubeSuite+'s Common Program Group, there is no change in the functions.

(3) CubeSuite+ RX code generator

V1.00.00 has been newly released.
RX111 group has been supported.

2.3 Build Tools

(1) CC-RH (Build Tool for RH850)

This compiler has been updated from V1.00.00 to V1.00.01. The main item of updating in V1.00.01 is as follows:
- Raising of restrictions

(2) CX (Build Tool for V850E2M)

This compiler has been updated from V1.30 to V1.31. The main items of updating in V1.31 are as follows:
(a) Improved output code

(b) Problems Fixed

The following problems have been fixed:

- With the consecutive bit manipulation processing (No. 13)
- With the comparison involving type conversion and typedef (No. 14)

For details of the problem, see RENESAS TOOL NEWS Document No. 130916/tn2

<https://www.renesas.com/search/keyword-search.html#genre=document&q=130916tn2>

For details, go to:

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

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2.4 Device Information

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

(CubeSuite+ DevInfo_RL78_78K)

This information has been updated from V1.00.14 to V1.00.15.

The main items of updating in V1.00.15 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RL78/F13 group of MCUs (RL78 family)

(b) SFR information modified

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

- RL78/F13 group of MCUs (RL78 family)

(c) Modifications of debug information

The debug information of the following MCUs has been modified:

- RL78/I1A group of MCUs (RL78 family)

For details, go to:

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

This page will be updated on September 30, 2013.

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

This information was released in V1.00.00.

This version newly supports the RH850 family of MCUs.

(a) Device support

The following MCUs have been added to the support line:

- 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 on September 30, 2013.

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

This information has been updated from V1.00.05 to V1.00.06.

The main items of updating in V1.00.06 are as follows:

(a) Device support

The following MCUs have been added to the support line:

- RX110 group
- RX111 group
- RX210 group
- RX21A group
- RX630 group
- RX631 group
- RX63N group

(b) Modification of device information

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

- RX111 group
- RX210 group
- RX630 group
- RX631 group
- RX63N group
- RX63T group

For details, go to:

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

This page will be updated on September 30, 2013.

2.5 Update Manager

This update manager has been updated from V2.01.00 to V2.01.01.

For details, see the Web page at:

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

2.6 Integrated Help

This help has been updated from V2.00.01 to V2.01.00.

For details, go to:

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

This page will be updated on September 30, 2013.

2.7 CubeSuite+ Utilities

The utilities have been updated from V2.00.00 to V2.00.01.

For details, go to:

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

This page will be updated on September 30, 2013.

3. Updating Your Product

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

3.1 For CubeSuite+ V2.00.00

To update yours, 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 September 30, 2013.

Note: If your CubeSuite+ has been launched with the 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 with 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

Then install it. The above tools will be published on this Web site on September 30.

3.2 For CubeSuite+ V1.03.00 or Earlier

Please download and install the evaluation edition of CubeSuite+ V2.01.00 from the following URL:

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

The installer will be published on this Web site on September 30, 2013.

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 September 30, 2013.

If you type any of the licenses of CubeSuite+ or any of those that have been additionally obtained when installing the evaluation edition, you can use it as a commercial edition.

5. Ordering

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

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