

[Upgrade to version]

R20TS0180EJ0100

Rev.1.00

e² studio Integrated Development Environment V6.0.0

Aug. 8, 2017

Outline

We will be revising the e² studio integrated development environment from V5.4.0 to V6.0.0.

Refer to the URL below for an overview of the product.

<https://www.renesas.com/e2studio>

1. Product and Versions to Be Updated

- e² studio V5.0.0 to V5.4.0

Check the version number of your copy of the e² studio in the dialog box opened by selecting [About e2 studio] from the [Help] menu of the e² studio.

2. Description of Revision

The major revision points are as follows. Refer to the Release Note at the URL below for details. This document will be available from August 8.

<https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut4092ee>

2.1 Update of Eclipse/CDT Platform

- Eclipse platform

The version of the Eclipse platform will be updated from 4.5.2 (Mars) to 4.6.1 (Neon).

- CDT plug-in

The version of the CDT(C/C++ Development Tool plug-in) will be updated from 8.8.1 to 9.2.1.

2.2 Improvements to Functionality

- Support for new versions of compilers

The following compilers are now supported:

- C/C++ Compiler Package for RX Family (CC-RX) V2.07.00
- C Compiler Package for RL78 Family (CC-RL) V1.05.00

- New support for the E2 emulator

Debugging by the E2 emulator is now supported for the RL78 family.

- New support for the current consumption measurement function of the E2 emulator

Measuring current consumption of a user system mounting an RL78-family MCU is now supported.

Refer to the URL below for details.

QE for Current Consumption: A Dedicated Tool for current measurement

<https://www.renesas.com/qe-current-consumption>

- Improvements to the Smart Configurator function

For the RX64M group of the RX family, peripheral functions to be supported have been added.

- Improvements to the project conversion function
 - In e² studio V5.4.0, project conversion from the CA78K0R C compiler for the RL78 and 78K families to CC-RL was supported only for the RL78 family. In this version, support for the 78K0R family has been added.
 - Project conversion from the CA78K0 C compiler for the 78K0 group to CC-RL is now supported.
- Addition of feature on Smart Browser

The announcements feature for the latest information has been added.
After startup of e² studio, a pop-up window notifies you of release of new documents, sample codes, toolnews, and other information.
- New support for V1.0.1 of QE for TCP/IP, a dedicated tool for TCP/IP development

QE for TCP/IP V1.0.1 revised in accord with improvements to its functionality is now supported.

QE for TCP/IP is a debugging assistance tool for developing embedded systems incorporating M3S-T4-Tiny, the TCP/IP protocol stack for the RX family. For details, refer to the URL below.
<https://www.renesas.com/qe-tcpip>

2.3 Addition of Supported MCU

The following MCUs have been added to the supported line.

- RH850/P1M-E of the RH850 family

Support for debugging has been added^(Note).

Note: Either of the following is required to build projects for the RH850 devices.

- MULTI from Green Hills Software
- IAR Embedded Workbench from IAR Systems

3. Updating Your Product

Download the e² studio installer from the following URL. V6.0.0 will be available from August 8
https://www.renesas.com/e2studio_download

Note 1: You cannot update e² studio from V5.4.0 or an earlier version to V6.0.0 by overwriting the installation or using the updater. Create another folder and newly install e² studio.

- 2: There are two installers: one for online use (Web installer), and one for offline use.
Only the latest revision of the installer for online use can be applied. Check the download page before installing.
Use the installer for offline use in environments which are not connected to the Internet.
Refer to the download page at the URL above for details.

4. Supplementary Notes

The project format of GNUARM-NONE toolchain for RZ family in e² studio V5.4.0 or earlier, is different from that in e² studio V6.0.0.

Therefore, note that all options may not be inherited from V5.4.0 to V6.0.0.

For RZ family development on e² studio V6.0.0, you need to create a new project or adjust the configurations of the imported projects in accordance with V6.0.0 format.

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Aug. 8, 2017	-	First edition issued

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