

[Upgrade to Version] e² studio Integrated Development Environment 2024-07

R20TS1041EJ0100
Rev.1.00
July 20, 2024

Outline

We have updated the e² studio integrated development environment from 2024-04 to 2024-07.

Major functional improvements and changes are as follows.

- Upgraded eclipse/CDT versions
- Improvements of Smart Configurator
- Improvements of Smart Manual
- Improvements of Builder and Debugger features
- Improvements in Linux/macOS version

For an overview of the product, refer to the following URL:

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

1. Products to Be Updated

- e² studio versions from 2020-04 to 2024-07

To check the version of e² studio, click the [Help] menu of e² studio > [About e² studio] to open the dialog box.

2. Description

The main contents of the upgrade are described below. Refer to the release note below for details. The release note is available in the [Documentation] list on the e² studio product page. It will be available from July 22nd.

<https://www.renesas.com/search?keywords=R20UT5526>

2.1 New Features, Improved Functionality

We have improved and changed the following.

For details about the improvements, refer to “What is new in 2024-07?” in the release note listed above.

2.1.1 New eclipse platform support

Updated eclipse platform and the version of CDT (C/C++ Development Tooling). Please refer to the following documents for details.

e ² studio version	2024-04	2024-07	
eclipse	4.30(2023-12)	4.31(2024-03)	New and Noteworthy
JRE(JustJ)	17.0.10	17.0.10	JustJ JREs
OpenJFX	21.0.2	21.0.2	OpenJFX
CDT	11.4.0	11.5.0	CDT New & Noteworthy

2.1.2 Updates of Device Support

The following device support features are updated. Please refer to e² studio Release Note for supported device name.

- Updated device files of RLX Family: RX26x device groups.
- Updated device files of RL78 Family: RL78/F23 and RL78/F24 device groups.
- Added support for DA148xx device groups for SDK project import and debug.

2.1.3 Improvements of Smart Configurator

- The following new versions of Smart Configurator are supported.

- ✧ Smart Configurator for RX V2.22.0
- ✧ Smart Configurator for RL78 V1.11.0
- ✧ Smart Configurator for RISC-V MCU V1.2.0

Please refer to each of Smart Configurator Release Note for details.

- Added support of Code Generation feature in LLVM for RL78 projects. The following device groups are supported:

RL78/G12,G13,G14,L12,L13

2.1.4 Improvements of Smart Manual

Started Smart Manual support for the following device groups:

- DA1453x, DA1459x, DA1469x, DA1470x and DA16200

2.1.5 Improvements of Builder and Debugger Features

The following improvements have been implemented.

- Added RA project converter from GCC for Arm projects to LLVM for Arm projects via “Renesas FSP” context menu in Project Explorer.
- Task Analyzer is available for Renesas iTRON for RX (RI600V4) in Partner OS view.

2.1.6 Improvements of Linux and macOS Versions

The following improvements have been implemented.

- Started RISC-V MCU support in Linux versions with the features of build and debug. Supported Linux version toolchain of LLVM for RISC-V MCU. Debugger is supported with SEGGER J-Link. E2/E2 Lite emulator support is planned in future e² studio versions.
- Supported debugging features for DA1459x in Linux and macOS versions.

3. Updating Your Product

Download the installer from the e² studio product page (the following URL) and install the program.
(2024-04 will be available from April 22nd.)

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

The installer is available in the [Downloads] section in the [Documentation & Downloads] list.

Note 1: When you have e² studio 2022-10 and older (older than Java 11) versions, newer e² studio versions should be installed to new location instead of using "Upgrade" installation.
The destination folder path should not include any multi-byte characters, extended ASCII (half byte character greater than 0x7f) characters or symbol characters other than "_" (underscore).

Note 2: Windows version of this product supports 64-bit Windows. This product does not work on 32-bit Windows.

Note 3: For FSP/SSP supported device families and groups (RA, RZ/T2x, RZ/N2x, RZ/A2x, RZ/A3x, RZ/G2x, RZ/V2x and Renesas Synergy™), installers are available which include the software packages.

Please refer to the following page for software packages and the installers :

Software - Middleware, Drivers, OS:

<https://www.renesas.com/design-support/software>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul. 20.24	-	First edition issued

Renesas Electronics has used reasonable care in preparing the information included in this document, but Renesas Electronics does not warrant that such information is error free. Renesas Electronics assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein.

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included.

The URLs in the Tool News also may be subject to change or become invalid without prior notice.

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Trademarks

Renesas and the Renesas logo are trademarks of Renesas Electronics Corporation. All trademarks and registered trademarks are the property of their respective owners.

Contact information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit:
www.renesas.com/contact/