

## Outline

We have updated the e<sup>2</sup> studio integrated development environment from 2024-10 to 2025-01.

Major functional improvements and changes are as follows.

- Upgraded eclipse/CDT versions
- Reality AI Utilities Plug-in support
- New devices support: DA148xx
- Improvements of Smart Configurator
- Improvements of Builder and Debugger features

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

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

## 1. Products to Be Updated

- e<sup>2</sup> studio versions from 2020-04 to 2024-10

To check the version of e<sup>2</sup> studio, click the [Help] menu of e<sup>2</sup> studio > [About e<sup>2</sup> 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 e<sup>2</sup> studio product page. It will be available from Jan. 20<sup>th</sup>.

<https://www.renesas.com/search?keywords=R20UT5600>

### 2.1 New Features, Improved Functionality

We have improved and changed the following.

For details about the improvements, refer to “What is new in 2025-01?” 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 <sup>2</sup> studio version	2024-10	2025-01	
eclipse	4.32(2024-06)	4.33(2024-09)	<a href="#">New and Noteworthy</a>
JRE(JustJ)	21.0.3	21.0.4	<a href="#">JustJ JREs</a>
OpenJFX	21.0.2	21.0.2	<a href="#">OpenJFX</a>
CDT	11.6.1	11.6.1	<a href="#">CDT New &amp; Noteworthy</a>

### 2.1.2 Reality AI Utilities Plug-in support

- Reality AI Utilities Plug-in V2.1.0 (for RA, RX, RL78 Families released on Dec. 4, 2024), a Reality AI development-support tool, is available on the e<sup>2</sup> studio 2024-10 and later versions. See the plug-in [Release Note](#) for an overview of the features and how to install them.

### 2.1.3 New devices support

- The following device groups are supported. Refer to e<sup>2</sup> studio Release Note for supported devices.
  - ✧ DA14850 and DA14870

### 2.1.4 Improvements of Smart Configurator

- The following new versions of Smart Configurator are supported. Smart Configurator version is displayed in Overview tab of Configurator view. Refer to Release note of the versions for details.
  - ✧ Smart Configurator for RX V2.24.0
  - ✧ Smart Configurator for RL78 V1.12
  - ✧ Smart Configurator for RH850 V1.13.0
  - ✧ Smart Configurator for RISC-V MCU V1.3.0

### 2.1.5 Improvements of Builder Features

The following improvements have been implemented.

- Added exporting feature of size listing file in Memory Usage view. The list is used for comparison of object size between projects or other build configurations.
- Added CMake project generation of FSP supported devices.

### 2.1.6 Improvements of Debugger Features

The following improvements have been implemented.

- Improved Registers view to enable display and edit each bitfield in CPU registers.

### 3. Updating Your Product

Download the installer from the e<sup>2</sup> studio product page (the following URL) and install the program. (2025-01 will be available from January 20<sup>th</sup>.)

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

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

Note 1: You cannot use "Upgrade" installation for e<sup>2</sup> studio 2024-07 and older (older than Java 17) versions. Newer e<sup>2</sup> 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/G3x, 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	Jan. 20.25	-	First edition issued

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