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**[Upgrade to Version]  
e<sup>2</sup> studio Integrated Development Environment 2025-10**

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R20TS1165EJ0100  
Rev.1.00  
Oct. 20, 2025

## Outline

We have updated the e<sup>2</sup> studio integrated development environment from 2025-07 to 2025-10.

Major functional improvements and changes are as follows.

- New devices support
- Improvements of Smart Configurator

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 2025-07

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 October 20<sup>th</sup>.

<https://www.renesas.com/search?keywords=R20UT5715>

### 2.1 New Features, Improved Functionality

We have improved and changed the following.

For details about the improvements, refer to “What is new in 2025-10?” in the release note listed above.

#### 2.1.1 New devices support

- Updated the device files of the following Device Family including new devices. Refer to e<sup>2</sup> studio Release Note for supported devices.
  - ◇ RL78 – Added RL78/ L23-128K support
  - ◇ RX – Added device support

#### 2.1.2 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 V2.27.0  
Added supported devices.
  - ◇ Smart Configurator for RL78 V1.15.0  
Added RL78/L23 128K support, Added feature of ELCL auto resource allocate/re-allocate.

## 3. Updating Your Product

Download the installer from the e<sup>2</sup> studio product page (the following URL) and install the program. (2025-10 will be available from Oct. 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>

## 4. About RL78 open source compiler

GCC for Renesas RL78 toolchain development has already been finished. Please use LLVM for Renesas RL78 toolchain when developing a new product. The GCC for Renesas RL78 project creation feature will be deprecated in future version of the e<sup>2</sup> studio. Note that GCC for Renesas RL78 projects can be imported and built even after the new project creation feature is discontinued.

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Oct. 20.25	-	First edition issued

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