

# [Upgrade to revision] e<sup>2</sup> studio Integrated Development Environment V7.6.0

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Rev.1.01  
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## Outline

We have updated the e<sup>2</sup> studio integrated development environment from V7.5.0 to V7.6.0. The update includes improved functionalities and the addition of newly supported devices including new device family RA.

For an overview of the product, refer to the URL below.

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

## 1. Products and Versions to Be Updated

- e<sup>2</sup> studio V7.0.0, V7.1.0, V7.2.0, V7.3.0, V7.4.0, and V7.5.0

To see the version of e<sup>2</sup> studio, select the [Help] menu of e<sup>2</sup> studio → [About e2 studio] and open the dialog box.

## 2. Description of the Update

The main features of the update are described in the following sections. Refer to the release note for details. (Scheduled to be released on Oct. 8th.)

<https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut4627ee>

### 2.1 Improved Functionalities

We have improved the following functionalities.

For details about the improvements, please refer to “What is new in 7.6.0?” in the release note listed above.

#### 2.1.1 Improved FreeRTOS Project support features

- Improvement of project generation feature

With provided board support package (BSP) and FIT (Firmware Integration Technology) modules for RX Family, Amazon FreeRTOS projects can now be generated. This feature allows accelerated development of IoT applications with access to Amazon Web Services (AWS). IoT device having access to AWS Cloud via Wi-Fi can easily be tested using RX65N Cloud Kit (available for sale).

RZ/A2M is now supported for Amazon FreeRTOS project.

For details about the usage of Smart Configurator, see the following section from the e2 studio Help: "e2 studio User Guide" > "Building Projects" > "Smart Configurator" > "RTOS"

- Improvement of OS status view feature in debugger

Real-time status view of OS resources (such as task, queue and timer) during debug is available for Amazon FreeRTOS projects.

### 2.1.2 Improved Build and Debug Functionalities

Build and debug functionalities have been improved. For details, refer to "What is new in 7.6.0?" in the release note listed above.

Also see e<sup>2</sup> studio Help contents added for the new features.

### 2.1.3 Improved View layouts

In order to improve usability and simplify usage in build and debug operations, the default Workbench layouts have been simplified in "C/C++" and "Debug" Perspectives by hiding less frequently used views.

## 2.2 Updates of Supported Devices

Device support has been updated for the following device groups. Refer to the release note for the list of supported devices.

- Added RA Family support

Project generation, build and debug features are now supported for RA Family, the new Arm Cortex<sup>®</sup>-M based device family.

Configuration GUI is provided to integrate driver and middleware modules as FSP (Flexible Software Packages) with those resource configuration. This helps to accelerate RA application development.

- Added RX23E-A group and RX24T group

Project generation, build and debug features are now supported for the above device group.

- Updated RX Family devices

Updated device information of RX23W, RX72M, RX651 and RX65N groups.

- Updated RH850 Family devices

Updated device information of RH850/P1H-C, RH850/D1M and RH850/F1KM groups.

## 3. Updating Your Product

Download the e<sup>2</sup> studio installer from the URL below for an installation.  
(V7.6.0 is scheduled to be released on Oct. 8th.)

[https://www.renesas.com/e2studio\\_download](https://www.renesas.com/e2studio_download)

Note 1: Read the notes on the download page before starting the installation.

2: Once you have updated the e<sup>2</sup> studio, specify a newly created folder as a workspace. If you need to use an existing project, please import it into the new workspace.

## Revision History

| Rev. | Date       | Description |                              |
|------|------------|-------------|------------------------------|
|      |            | Page        | Summary                      |
| 1.00 | Oct. 01.19 | -           | First edition issued         |
| 1.01 | Oct. 04.19 | 2           | Correction of misdescription |

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