

[Released on the web]

R20TS0526EJ0100

Rev.1.00

RZ Family RZ/A2M Software Package V6.00

Jan. 16, 2020

Outline

The RZ/A2M Software Package V6.00 is released on the web as RZ/A2M FreeRTOS™ software development kit.

This product is available free of charge.

1. Product Features

(1) What is RZ/A2M Software Package?

RZ/A2M Software Package is a software development kit for the RZ/A2M that supports various RZ/A2M functions such as DRP (Dynamically Reconfigurable Processor), camera input, LCD output, and image adjustment. It consists of device drivers, middleware, sample programs for the RZ/A2M and FreeRTOS OS.

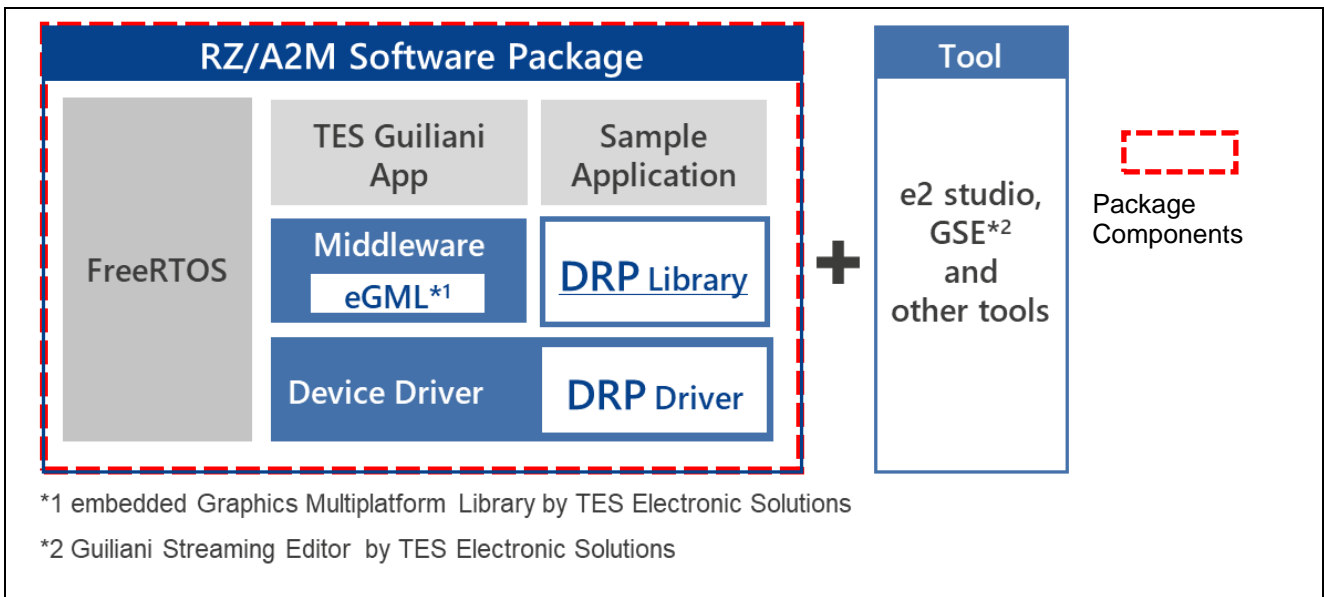


Figure 1 RZ/A2M Software Package Structure

## (2) Updates

The main updates in the RZ/A2M Software Package V6.00 are as follows.

- Features have been added to the following package.  
[Simple Applications Package] RZ/A2M Simple Applications Package
  - Realtime Clock (RTC) driver sample program has been added.  
This program can be used for reference when using the time setting, time acquisition, alarm functions and recovery from Deep Standby by the alarm.
- The software package was qualified for Amazon FreeRTOS in combination with the RZ/A2M Evaluation Board Kit.

By using an environment whose secure connection with Amazon Web Service (AWS) was verified, security is no longer a concern during application development.

<https://devices.amazonaws.com/detail/a3G0h0000076z53EAA/RZ-A2M-Evaluation-Board-Kit>

## 2. Supported Devices

RZ/A2M group

## 3. Operating Environment

The main operating environment is as follows.

- IDE: e<sup>2</sup> studio V7.6.0 or later
- Compiler: GNU Arm Embedded Toolchain (6-2017-q2)  
<https://developer.arm.com/tools-and-software/open-source-software/developer-tools/gnu-toolchain/gnu-rm/downloads>
- Supported board: RZ/A2M Evaluation Board Kit  
<https://www.renesas.com/rz-a2m-evaluation-board-kit>
- Emulator: SEGGER J-link LITE (included with the above board)
- Development assistance tools: Smart Configurator, QE for Display, QE for Camera

## 4. Obtaining the Product

Obtain the package from the URL below.

<https://www.renesas.com/rza2-software-development-kit-free-rtos>

### 5. Using the Product

Download the desired package from the URL listed in section 4. Decompress the zip file, then start building your project in e<sup>2</sup> studio. In e<sup>2</sup> studio, peripheral functions and middleware can be easily added to an existing project by using Smart Configurator.

For details, refer to the following.

RZ/A2M Smart Configurator User's Guide: e<sup>2</sup> studio

Document number: R20AN0583\*

\*The last 6 digits are omitted.

<https://www.renesas.com/search/keyword-search.html?q=r20an0583&genre=document&redirect=true>

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Jan.16.20	-	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](http://www.renesas.com)

**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/](http://www.renesas.com/contact/)

**Trademarks**

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