

[Released on the Web]

R20TS0680EJ0100

Rev.1.00

RZ Family RZ/A2M Software Package V8.20

Apr. 16, 2021

Overview

The RZ/A2M Software Package V8.20 will be released on the web as a RZ/A2M FreeRTOS™ software development kit.

This product is available free of charge.

1. Features

(1) What is an RZ/A2M Software Package?

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

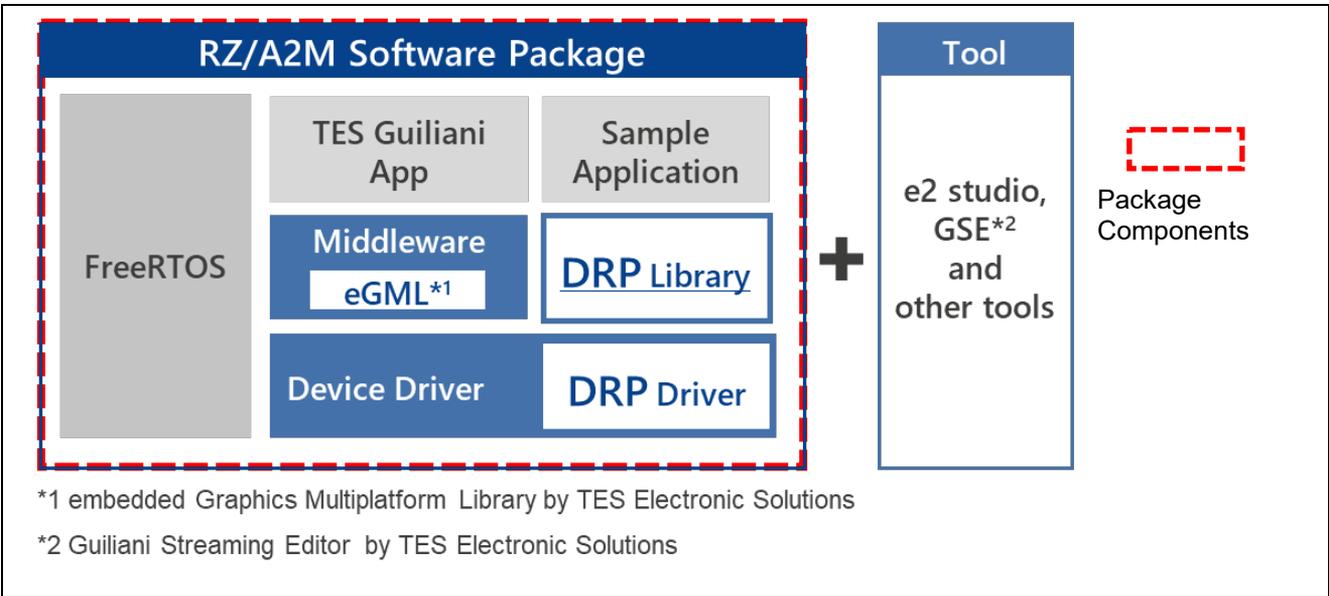


Figure 1 RZ/A2M Software Package Structure

(2) Details of the update

The details of the update by RZ/A2M Software Package V8.20 are as follows.

- Update the following package.

[Simple Applications Package] RZ/A2M Simple Applications Package V8.20

- In the USBH HID and USBF CDC sample programs, the initial value of the used USB port is set to USB0, allowing the USB1 port to be used for board power.
- In the USBH MSC FAT and USBH HID sample programs, a comment has been added to the link directive file to describe the alignment required for section allocation for variables used by the USBH driver.
- Sample program projects for FreeRTOS, ADC, and DMAC-SCIFA are now C++ compatible projects.
- Interrupt priority has been changed to enable use of FreeRTOS service calls in DRP callback functions.

2. Supported Devices

RZ/A2M group

3. Operating Environment

The operating environment mainly consists of the following:

- Integrated development environment: e² studio 2021-04

<https://www.renesas.com/software-tool/e-studio>

If you are using a version earlier than 2021-04, please update to 2021-04.

<https://www.renesas.com/search?keywords=r20ut4966>

- 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/rza2m-evaluation-board-kit>

- Emulator: SEGGER J-link LITE (included with the board above)

- Development assistance tool: Smart Configurator, QE for Display, QE for Camera

4. Obtaining the Product

Obtain the product from the following URL. This package will be released on April 20, 2021.

<https://www.renesas.com/software-tool/rza2m-freertos-software-package>

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Apr.16.21	-	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 URL 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/