

[Released on the Web]

R20TS0804EJ0100

Rev.1.00

RZ Family RZ/A2M Software Package V8.30

Feb. 01, 2022

Outline

The software development kits for the following RZ/A2M group have been updated and released on the website.

- RZ/A2M Software Package V8.30
- RZ/A2M Software Package for GR-MANGO V2.10
- RZ/A2M Software Package (IAR Embedded Workbench for Arm) V5.20
- RZ/A2M Software Package (Arm Development Studio) V4.20

The products are available free of charge.

1. Product Features

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

The RZ/A2M Software Package is the software development kit for the RZ/A2M group that provides consistent support for camera input, display output, and image adjustments.

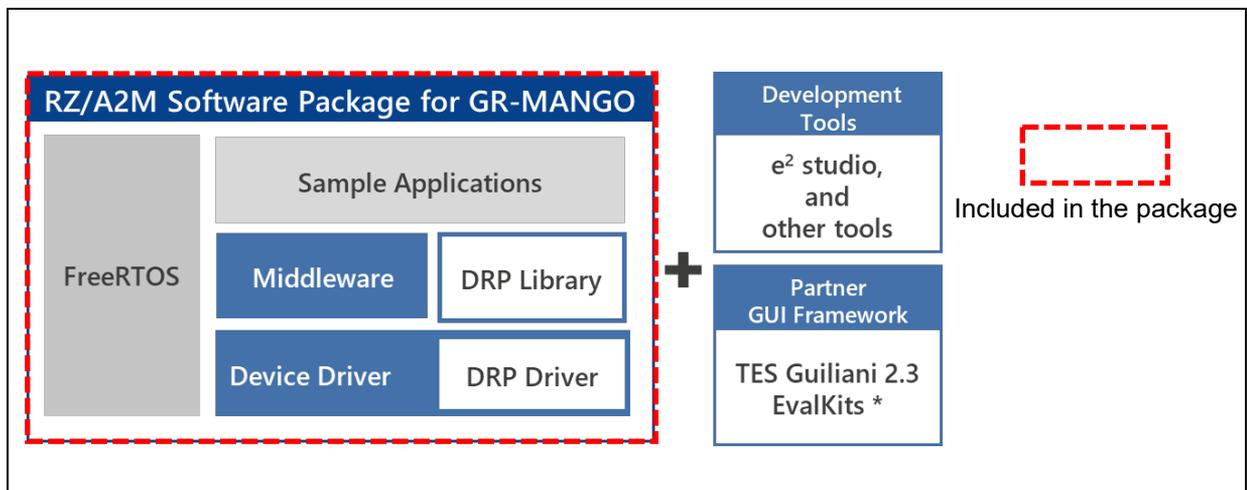


Figure 1 Components of the RZ/A2M Software Package for GR-MANGO

\*By combining RZ/A2M Software Package V8.30 or the RZ/A2M Software Package for GR-MANGO with Guiliani EvalKits, the GUI framework kit developed by TES Electronic Solutions, you can easily develop GUIs for HMI applications, leveraging the RZ/A2M group functions.

TES Guiliani 2.4 EvalKits is available on the link below.

<https://www.guiliani.de/mediawiki/index.php?title=Downloads:EvalKits>

(2) Changes

Table 1 Changes

| Change                                      | RZ/A2M Software Package | RZ/A2M Software Package for GR-MANGO | RZ/A2M Software Package (IAR Embedded Workbench for Arm) | RZ/A2M Software Package (Arm Development Studio) |
|---|-------------------------|--------------------------------------|--|--|
| FreeRTOS V10.4.3-LTS-patch-1 support        | ✓                       | ✓                                    | ✓  | ✓  |
| e <sup>2</sup> studio 2022-01 support       | ✓                       | ✓                                    | -  | -  |
| GNU Arm Embedded Toolchain (9-2020) support | ✓                       | ✓                                    | -  | -  |

2. Supported Devices

RZ/A2M group

3. Operating Environment

- Integrated development environment

e<sup>2</sup> studio 2022-01

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

IAR Embedded Workbench for Arm 6.40.1

<https://www.iar.com/products/architectures/arm/iar-embedded-workbench-for-arm/>

Arm Development Studio 2020.0

<https://developer.arm.com/tools-and-software/embedded/arm-development-studio>

- Compiler

GNU Arm Embedded Toolchain (9-2020)

<https://developer.arm.com/tools-and-software/open-source-software/developer-tools/gnu-toolchain/gnu-rm/downloads>

The compiler included in IAR Embedded Workbench for Arm 6.40.1

The compiler included in Arm Development Studio 2020.0

- Supported board

RZ/A2M Evaluation Board Kit

<https://www.renesas.com/rza2m-evaluation-board-kit>

GR-MANGO

<https://www.renesas.com/products/gadget-renesas/boards/gr-mango.html>

### 4. Obtaining the Products

The products are available on the links below.

RZ/A2M FreeRTOS™ Software Package

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

RZ/A2M FreeRTOS™ Software Package IAR C/C++ Compiler™ Version

<https://www.renesas.com/software-tool/rza2m-freertos-software-package-iar-cc-compiler-version>

RZ/A2M FreeRTOS™ Software Package Arm® Compiler Version

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

### 5. Using the Products

Download the product from the link in section 4, unzip the file, import it to your integrated development environment, and build it to use.

**Revision History**

| Rev. | Date      | Description |                      |
|------|-----------|-------------|----------------------|
|      |           | Page        | Summary              |
| 1.00 | Feb.01.22 | -           | First edition issued |
|      |           |             |                      |

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**Corporate Headquarters**

TOYOSU FORESIA, 3-2-24 Toyosu,  
Koto-ku, Tokyo 135-0061, Japan  
[www.renesas.com](http://www.renesas.com)

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