

[Released on the Web]

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## RZ/A2M FreeRTOS™ Software Package

## IAR C/C++ Compiler™ Version V4.00, Arm® Compiler Version V3.00

### Outline

The RZ/A2M Software Package IAR C/C++ Compiler™ version V4.00 and RZ/A2M Software Package Arm® Compiler version V3.00 have been released on the web as RZ/A2M FreeRTOS™ software development kits.

This product is available free of charge.

### 1. Product 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. In addition to the previously developed GCC version, it supports the integrated development environment for IAR System and Arm.

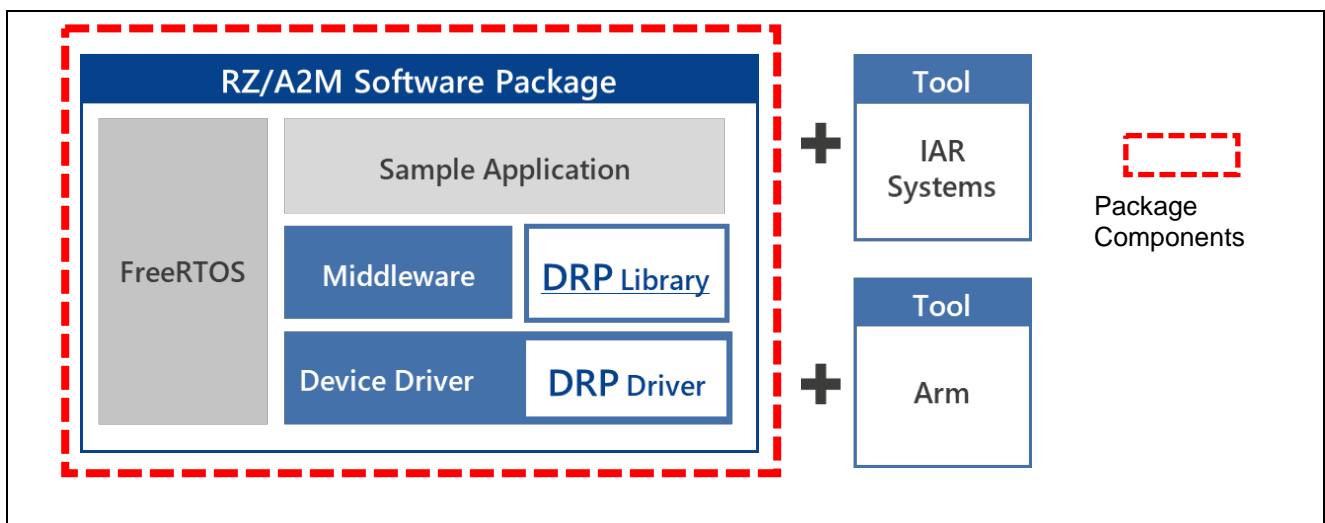


Figure 1. Multi-compiler development environment for the RZ/A2M Software Package

#### (2) Details of the update

The details of the update by RZ/A2M Software Package IAR C/C++ Compiler™ version V4.00 and RZ/A2M Software Package Arm® Compiler version V3.00 are as follows. Both packages support the same functions.

- Addition of a Real-time Clock (RTC) driver sample program
- Addition of a DMA controller (DMAC) driver sample program
- Addition of a boot sample program that uses HyperFlash™ connected to the HyperBus™ interface, and a HyperRAM™ setting example
- Addition of a USB Host (MSC) driver sample program
- Addition of a USB Function (CDC) driver sample program

## 2. Supported Devices

RZ/A2M group

## 3. Operating Environment

The operating environment mainly consists of the following:

[RZ/A2M Software Package IAR C/C++ Compiler™ Version]

- Integrated development environment: IAR Embedded Workbench for Arm, V8.40.1 or later  
<https://www.iar.com/iar-embedded-workbench/#!?architecture=Arm>
- Compiler: IAR C/C++ Compiler™  
<https://www.iar.com/iar-embedded-workbench/#!?architecture=Arm>
- Supported board: RZ/A2M Evaluation Board Kit  
<https://www.renesas.com/rz-a2m-evaluation-board-kit>
- Emulator: I-jet™  
<https://www.iar.com/iar-embedded-workbench/add-ons-and-integrations/in-circuit-debugging-probes/#!?currentTab=i-jet>

[RZ/A2M Software Package Arm® Compiler Version]

- Integrated development environment: Arm® Development Studio  
<https://developer.arm.com/tools-and-software/embedded/arm-development-studio>
- Compiler: Arm® Compiler 6  
<https://developer.arm.com/tools-and-software/embedded/arm-compiler/downloads/version-6>
- Supported board: RZ/A2M Evaluation Board Kit  
<https://www.renesas.com/rz-a2m-evaluation-board-kit>
- Emulator: ULINK2™  
<https://www.arm.com/products/development-tools/debug-probes/ulink2>

## 4. Obtaining the Product

Obtain the products from the following URLs:

[RZ/A2M Software Package IAR C/C++ Compiler™ Version]

<https://www.renesas.com/products/software-tools/software-os-middleware-driver/software-package/rza2-software-development-kit-free-rtos/iarcompiler.html>

[RZ/A2M Software Package Arm® Compiler Version]

<https://www.renesas.com/products/software-tools/software-os-middleware-driver/software-package/rza2-software-development-kit-free-rtos/armcompiler.html>

### 5. Using the Product

Download the desired package from the URL shown in section 4. Decompress the zip file, and then start building your project in an applicable integrated development environment shown in section 3.

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Jun.01.20	-	First edition issued

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