

Renesas RA Family

EK-RA6M5 Example Project Bundle

Introduction

This document describes the contents of the Example Project Bundle for the EK-RA6M5 kit. The Example Projects contained within the bundle provide example code for creating various Renesas Flexible Software Package (FSP) modules supported by the EK-RA6M5 kit.

Flexible Software Package is an optimized software package designed to provide easy to use, scalable, high quality software for embedded system design. The primary goal is to provide lightweight, efficient drivers that meet common use cases in embedded systems. FSP code quality is enforced by peer reviews, automated requirements-based testing, and automated static analysis. FSP provides uniform and intuitive APIs that are well documented. Each module is supported with detailed user documentation including example code. FSP modules can be used on any MCU in the RA family, provided the MCU has peripherals required by the module. FSP modules also have build-time configurations that can be used to optimize the size of the module for the feature set required by the application.

Supported Kit

EK-RA6M5

Supported FSP Version

FSP v3.0.0 or later

Supported Toolchains

- e² studio Integrated Development Environment (IDE), default toolchain is GCC Arm Embedded
- Keil MDK with Arm compiler toolchain
- IAR EWARM with IAR toolchain for Arm

1. Using the Example Projects

To use EK-RA6M5 Example Projects follow the steps mentioned in the following documents:

- Example Project Usage Guide
https://github.com/renesas/ra-fsp-examples/blob/f5f3d8901324f712a1259ead95df007b3e6cfd7/example_projects/Example%20Project%20Usage%20Guide.pdf
- e² studio AC6 porting Guide
<https://en-support.renesas.com/knowledgeBase/19375553>

2. List of Example Projects Supported on Different Toolchains in the Bundle

EK-RA6M5 Example Projects	e ² studio/GCC	e ² studio/AC6	Keil MDK	IAR
ADC_GPT_PERIODIC_SAMPLING	Supported	Supported via port from GCC		
DOC	Supported	Supported via port from GCC		
LPM	Supported	Supported via port from GCC		
LVD	Supported	Supported via port from GCC		
Wi-Fi	Supported	Supported via port from GCC		

Website and Support

Visit the following vanity URLs to learn about key elements of the RA family, download components and related documentation, and get support.

RA Product Information	www.renesas.com/ra
RA Product Support Forum	www.renesas.com/ra/forum
RA Flexible Software Package	www.renesas.com/FSP
Renesas Support	www.renesas.com/support

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Mar.30.21	—	First release document.
1.01	Apr.23.21	—	Added AWS HTTPS CLIENT, CAN FD.
1.02	May.03.21	—	Added support for FSP v3.0.0.
1.03	May.13.21	—	Added support for FSP v3.0.0 (2).

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(Rev.5.0-1 October 2020)

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