RENESAS TOOL NEWS

[Released on the Web]

R20TS0578EJ0100 Rev.1.00 May. 16, 2020

RZ Family RZ/A1H Software Package for GR-PEACH V1.00 May. 10

Outline

As an application product of the RZ/A1H Software Package (a software development kit for RZ/A1H), we released RZ/A1H Software Package for GR-PEACH V1.00 (supporting the GR-PEACH board from Core Ltd) on the web.

This product is available free of charge.

1. Product Features

RZ/A1H Software Package for GR-PEACH is a software development kit for the RZ/A1H that provides consistent support for camera input, LCD output, and image adjustment.

RZ/A1H Software Package for GR-PEACH V1.00 includes the following software:

- Sample application for camera input/LCD output
- Applications supported by drivers, middleware, and utilities.
 - Ethernet (LwIP)
 - USB Host MSC (FatFs)
 - > USB Host HID Class Keyboard
 - > USB Host HID Class Mouse
 - > USB Host CDC Class Serial Driver
 - > USB function HID Class Mouse
 - USB function CDC Class Serial Driver
 - Video Utility (RVAPI)
 - Touch Screen Utility
 - CMOS Utility
 - Sound input/output
- Device Drivers
- OS(FreeRTOS)

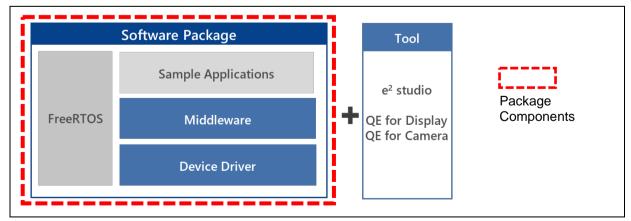


Figure 1 Software Structure of the RZ/A1H Software Package



2. GR-PEACH

GR-PEACH is the Gadget Renesas (GR) board from Core Ltd for the Renesas RZ family's RZ/A1H group. Fully pin-compatible with Arduino UNO, GR-PEACH is designed as an ARM[®] Mbed[™] enabled development platform and takes advantage of web browser-based program development and a robust library selection. This product supports a development environment using FreeRTOS[™] in addition to the conventional development environment for GR-PEACH.

With the added appeal of 10MB of built-in RAM and the processing power of Arm[®] Cortex[®]-A, GR PEACH was created for the developer interested in high-speed prototyping of IoT devices with extensive HMI— graphics, touch panel, camera input, audio, network and more. Because programs can be downloaded with drag and drop, you can easily start using the RZ/A1H group without the need for an in-circuit emulator.

Gadget Renesas Reference URL: https://www.renesas.com/products/gadget-renesas.html

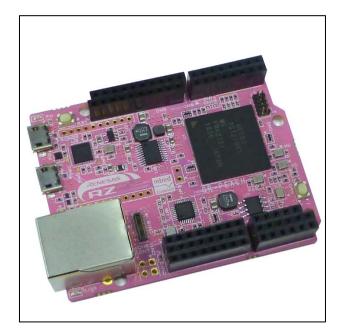


Figure 2 GR-PEACH image



3. Supported Devices

RZ/A1H group

4. Operating Environment

The operating environment mainly consists of the following:

• Integrated development environment: e² studio V7.6.0 or later

https://www.renesas.com/e2studio

Compiler: GNU Arm Embedded Toolchain (6- 2017-q2)

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

Supported board: GR-PEACH

https://www.renesas.com/products/gadget-renesas/boards/gr-peach.html

5. Obtaining the Product

Obtain RZ/A1H Software Package for GR-PEACH V1.00 from the URL below.

https://www.renesas.com/rza1h-software-development-kit-free-rtos

6. Using the Product

Download the desired package from the URL shown in section 5. Decompress the zip file, then start building your project in e^2 studio.



Revision History

		Description	
Rev.	Date	Page	Summary
1.00	May.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 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/

© 2020 Renesas Electronics Corporation. All rights reserved. TS Colophon 4.1

