RZ/G2UL

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General-Purpose Microprocessors with Single-Core Arm Cortex-A55 (1.0GHz) CPU and Single-Core Arm Cortex-M33 (200MHz) CPU with 2ch Gigabit Ethernet

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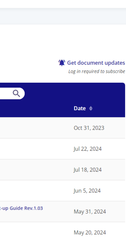
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Overview

Description | Features | Comparison | Applications

The RZ/G2UL microprocessor includes a Cortex®-A55 (1.0GHz) CPU, a 16-bit DDR4/LPDDR4 interface, and a simple LCD controller. It also has many interfaces such as camera input, display output, USB 2.0, and Gbit Ethernet, making it ideal for applications such as entry-level industrial gateway control and embedded devices with simple GUI capabilities.

In addition, there are two types of RZ/G2UL. Type-1 supports all functions and Type-2 supports pin compatibility with RZ/G2C. Please refer to **RZ/G2UL Overview** for the differences in the functions supported by each.



Type-1 Part Number: R9A07G043U11GBG#BC0

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Type	Title	Date
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★ Guide	RZ/G2UL Easy Download Guide PDF 599 KB 日本語	Jul 22, 2024
★ Flyer	RZ/G2L, RZ/G2LC, RZ/G2UL Flyer PDF 4.08 MB 日本語	Jul 18, 2024
Application Note	Mount Conditions Baking Conditions PDF 157 KB	Jun 5, 2024
Guide	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide Rev.1.03 PDF 3.16 MB	May 31, 2024
Brochure	RZ Family Brochure PDF 11.97 MB 日本語	May 20, 2024
Manual - Software	RZ/G2L,Five,V2L Group BSP Manual Set (RTK0EF0045Z90004Z)-v3.0.6.zip) Log in to Download ZIP 10.89 MB	May 20, 2024
Guide	RZ/G2UL PCB Verification Guide for Core VDD ZIP 2.56 MB	May 16, 2024
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Design & Development

Software & Tools | Boards & Kits | Models

Software & Tools

Software & tools, start typing to filter | All Types | All companies

RZ/G Verified Linux Package [5.10-CIP] Linux Packages for MPUs of the RZ/G2 Group. Functions of this products have been verified and regular maintenance is also provided.	Software Package	Renesas
RZ/G Multi-OS Package RZ/G Multi-OS Package is the software package consisting of Flexible Software Package (FSP) as software package for Renesas MCU with Arm® Cortex-M Core and OpenAMP as standardization API of framework for interprocessor communication for developing multi OS solution. Downloads Getting Started with Flexible Software Package Setting GPIO with Flexible Software Package RZ/G Multi-OS Package V2.0.2 RSCI_FSP_Packs_v2.0.1	Software Package	Renesas
RZ MPU Security Package Security Package for RZ MPUs. This package is used in combination with the Linux package provided for each device.	Software Package	Renesas
RZ Smart Configurator RZ Smart Configurator is a utility for combining software in ways that meet your needs. It simplifies the embedding of Renesas drivers in your systems through supports for importing middleware and drivers and configuring pins.	Solution Toolkit	Renesas

6 items

Software Downloads

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Software & Tools - Other	Open source packagesrzvs_pkg_rzg_v3.0.6-update2.7z) 7Z 1.777.94 MB	Jun 28, 2024
Software & Tools - Other	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z90214Z)-v3.0.6-update2.zip) Log in to Download ZIP 44.11 MB	Jun 28, 2024
Software & Tools - Other	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z90214Z)-v3.0.6-update1.zip) Log in to Download ZIP 44.04 MB	May 31, 2024
Software & Tools - Other	Open source packagesrzvs_pkg_rzg_v3.0.6.7z) 7Z 1.974.60 MB	Apr 24, 2024
Software & Tools - Other	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z90212AZ)-v3.0.6.zip) Log in to Download ZIP 43.95 MB **Application:** Consumer Electronics, Industrial **Function:** BSP, OS, Software Package	Apr 24, 2024
Software & Tools - Other	RZ/G2UL Pre-built Images (RZG2UL_VLP3.0.6_Pre-built_images.zip) Log in to Download ZIP 115.95 MB	Apr 24, 2024
PCB Design Files	RZ SMARC Series Carrier Board Design Data V4.01 Log in to Download ZIP 23.85 MB	Apr 22, 2024

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R9A07G043U12GBG#BC0	Series Name	Main CPU	Operating Freq. (Max):(MHz)	Bit Size	Sub CPU	RAM (KB)	Mem
R9A07G043U12GBG#BC0	RZ/G	Cortex-A55	1000	64	Cortex-M33	128	DDR3
R9A07G043U12GBG#AC0	RZ/G	Cortex-A55	1000	64	Cortex-M33	128	DDR3

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Boards & Kits

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