



This document regroups all links necessary for the user to develop an application

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RZ/G2UL Easy Download Guide

Step	Information for engineers	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
	RZ/G Series 32/64-bit MPU (Wiki)	Link summary	Introduction,Boards,Software and Documentation	Link	-	Non limitation
	Contact Support	QA Ticket	Technical Q&A	Link	-	Non limitation

Step	Introduction	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
1	Datasheet	Document	RZ/G2UL Data sheet	Link	-	Non limitation
2	RZ Family Brochure	Document	RZ Family Microprocessors	Link	-	Non limitation
3	Flyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	Link	-	Non limitation
4	Demo Video	Video	Introduction to RZ/G2UL - An Entry-class MPU for Industrial HMI Applications	Link	-	Non limitation
5	RZ Family Product Part Number Guide	Document	RZ Family Product Part Number Guide	Link	-	Non limitation

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
1	User's Manual	Document	User's Manual: Hardware	Link	-	Non limitation
		Document	Technical Update	Link	-	Non limitation
		Document	Additional document for User's Manual(SDHI)(Requires LoA)	Please contact Distri/Sales	LoA*1	Please contact Distri/Sales
2	How to start up the board	Document	SMARC Module Board User's Manual	Link	-	Non limitation
		Document	SMARC Carrier Board User's Manual	Link	-	Non limitation
		Document	RZ/G Series Performance Guide	Link	-	Non limitation
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	-	Non limitation
4-1	Evaluation environment start-up method Verified Linux Package (VLP)	Document	RZ/G Verified Linux Package V3.0.6-update3 Release Note	Link	-	Non limitation
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	Link	-	Non limitation
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	Link	EULA*2	MyRenesas
		Document	RZ/G Proprietary SW Package Handling	Please contact Distri/Sales	-	Please contact Distri/Sales
4-2	Evaluation environment start-up method Multi-OS Package	Document	Release Note for Multi-OS Package v2.0.2	Link	-	Non limitation
		Document	Getting Started with Flexible Software Package	Link	-	Non limitation
		Document	Setting GPIO with Flexible Software Package	Link	-	Non limitation
		Document	FSP Documentation	Link	-	Non limitation
		Document	Release Note for Flexible Software Package	Link	-	Non limitation
4-3	RZ Security Solution Overview RZ MPU Security Package (Linux OS)	Document	RZ Security Solution Overview	Link		Non limitation
5-1	How to get various software					
	RZ/G2UL Pre-built Images	Software	RZ/G2UL Pre-built Images (RZG2UL_VLP3.0.6_Pre-built_Images.zip)	Link	-	Non limitation
	Verified Linux Package (VLP)	Web Link	RZ/G Verified Linux Package [5.10-CIP]	Link	-	Non limitation
	Feature Package (Multi-OS Package)	Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package	Link	EULA*2	MyRenesas
	Feature Package (Security Package)	Web Link	Security Package	Link	SLA*3	Secure Access
	Web UI Package	Web Link	RZ MPU WebUI Package	Link	-	Non limitation
	RZ BSP Porting - Ubuntu	Software	Ubuntu vesion 20.04.LTS (application note & script file)	Link		
6	How to get various tools					
		Tool	Smart Configurator	Link	-	Non limitation
7	How to launch various tools					
		Document	Smart Configurator for RZ User's Guide	Link	-	Non limitation

Step	Custom board development	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
	PCB Design and Verification Flow (for DDR-IF)	Document	PCB Design and Verification Flow (for DDR-IF)	Please contact Distri/Sales	-	Please contact Distri/Sales
	PCB Design checklist when designing a custom board	Document	Board circuit design checklist	Link	-	Non limitation
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	Link	-	Non limitation
	PCB Design Guide for DDR memory,DDR Config Generation Tool	Document,Tool	PCB Design Guideline for DDR4/DDR3L, DDR Config Generation Tool	Link	-	Non limitation
	PCB Verification Guide for Core, PDN Model	Document,Model	PCB verification guide for Core VDD,PDN model	Link	-	Non limitation
	PCB Verification Guide for DDR memory, PKG model	Document,Model	PCB verification guide for DDR4/DDR3L, PKG model	Link	-	Non limitation
	Reference Desing Data(Schamtics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Disclaimer*4	MyRenesas
	Reference Desing Data(Schamtics,Layout,BOM)	Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	Link	Disclaimer*4	MyRenesas
	IBIS(For LSI)	Model	IBIS	Link	Disclaimer*4	MyRenesas
	Boundary Scan Description Language file	File	BSDL	Link	Disclaimer*4	MyRenesas
	Guide to Using RGMII in Making an Ethernet-IF Connection	Document	Guide to Using RGMII in Making an Ethernet-IF Connection	Link	-	Non limitation
	RZ/G2UL Type-1, RZ/A3UL and RZ/Five Pin Compatibility Guide	Document	RZ/G2UL Type-1, RZ/A3UL and RZ/Five Pin Compatibility Guide	Link	-	Non limitation
	RZ/G2LC and RZ/G2UL Type-2 Pin Compatibility Guide	Document	RZ/G2LC and RZ/G2UL Type-2 Pin Compatibility Guide	Link	-	Non limitation
	RZ/G2UL Power Consumption Measurement	Document	Power Consumption Measurement	Link	-	Non limitation
	Reference Power consumption	Document	Reference power consumption guide	Link	-	Non limitation
	Thermal Management Guide	Document	Thermal Management Guideline	Link	-	Non limitation
	Mechanical Handling Guideline	Document	Mechanical Handling Guideline	Link	-	Non limitation
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	Link	-	Non limitation
	Baking conditions	Document	Mount Conditions Baking Conditions	Link	-	Non limitation
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	Link	-	Non limitation
	Lifetime estimation guide	Document	Lifetime Guideline	Link	-	Non limitation
	Power Management IC installed in EVK	Device Info	Power Management IC	Link	-	Non limitation
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	Link	-	Non limitation
	RZ/G2UL Reliability Report	Document	R9A07G043UXXGBG Reliability Report	Link		Non limitation
	Power calculation sheet and guide	Document	Power calcruation sheet and guide	Please contact Distri/Sales	-	Please contact Distri/Sales
	Low Power Guideline	Document	Low Power Guideline	Please contact Distri/Sales	-	Please contact Distri/Sales

*1: Letter of Acknowledgement
*2: End User Liscence Agreement
*3: Software Liscence Agreement
*4: Disclaimer Letter

[Additional Information] Please refer to the software content archive list if necessary.

【補足情報 必要に応じてソフトウェアコンテンツ アーカイブ一覧をご参照ください。

RZ/G Software package archive list (2H2024)

5.10-CIP

Product	Librally Nick Name	Version	Package Name
RZ/G2L	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Graphics Lib.	v1.2.2	RZ MPU Graphics Library V1.2.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2.2_XX.zip)
	Video Codec Lib.	v1.2.1	RZ MPU Video Codec Library v1.2.1 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.2.1_XX.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Graphics Lib.	v1.1.2	RZ MPU Graphics Library V1.1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.1.2_XX.zip)
	Video Codec Lib.	v1.1.0	RZ MPU Video Codec Library v1.1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.1.0_XX.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Graphics Lib.	v1.0.5	RZ MPU Graphics Library V1.0.5 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.0.5_XX.zip)
	Video Codec Lib.	v1.1.0	RZ MPU Video Codec Library v1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.0_rzg_XX.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Graphics Lib.	v1.3	RZ MPU Graphics Library V1.3 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.3_XX.zip)
	Video Codec Lib.	v1.0	RZ MPU Video Codec Library v1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.0_rzg_XX.zip)

Product	Librally Nick Name	Version	Package Name
RZ/G2LC	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Graphics Lib.	v1.2.2	RZ MPU Graphics Library V1.2.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2.2_XX.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Graphics Lib.	v1.1.2	RZ MPU Graphics Library V1.1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.1.2_XX.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Graphics Lib.	v1.0.5	RZ MPU Graphics Library V1.0.5 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.0.5_XX.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Graphics Lib.	v1.3	RZ MPU Graphics Library V1.3 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.3_XX.zip)
	Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)
	Graphics Lib.	v1.2	RZ MPU Graphics Library V1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2_XX.zip)

Product	Librally Nick Name	Version	Package Name
RZ/G2UL	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)