RENESAS

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

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RZ/G2UL Easy Download Guide

Mouseover "L" in "Link"

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

Step	Introduction	Contents Type	Contents Name	RZ/G2UL Link	Note
1	RZ Family Broshure	Document	RZ Family Microprocessors	Link	-
2	Fleyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	Link	-
3	User's Manual Overview	Document	User's Manual Overview	Link	-
4	Demo Video	Video	Introduction to RZ/G2UL - An Entry-class MPU for Industrial HMI Application	Link	-

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2UL Link	Note
1	User's Manual	Document	User's Manual: Hardware	Link	-
		Document	Technical Update	Link	-
		Document	Additional document for User's Manual(SDHI)(Requires LoA)	Please contact Disti/Sales	LoA*1
2	How to start up the board				
		Document	SMARC Module Board User's Manual	Link	-
		Document	SMARC Carrier Board User's Manual	Link	-
		Document	Evaluation Board Kit(EVK) Start Up Guide	Link	-
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	-
4-1	Evaluation environment start-up method				
	Verified Linux Package (VLP)	Document	Release Note for RZ/G Verified Linux Package(v3.0.5)	Link	-
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	Link	-
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	Link	EULA*2
		Document	RZ/G Proprietary SW Package Handring	Please contact Disti/Sales	-
4-2	Evaluation environment start-up method				
	Multi-OS Package	Document	Release Note for Muti-OS Package v1.22	Link	-
		Document	Getting Started with Flexible Software Package	Link	-
		Document	Setting GPIO with Flexible Software Package	Link	-
		Document	FSP Documentation	Link	-
		Document	Release Note for Flexible Software Package	Link	-
5-1	How to get various software				
	RZ/G2UL Pre-built Images	Software	RZ/G2UL Pre-built Images (RZG2UL_VLP3.0.5_Pre-built_Images.zip)	Link	-
	Verified Linux Package (VLP)	Web Link	RZ/G Verified Linux Package [5.10-CIP]	Link	-
	Feature Package (Multi-OS Package)	Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package	Link	EULA*2
	Feature Package (Security Package)	Web Link	Security Package	Link	SLA*3
	Web UI Package	Web Link	RZ MPU WebUI Package	Link	-
6	How to get various tools				
		Tool	Smart Configurator	Link	-
7	How to launch various tools				
		Document	Smart Configurator for RZ User's Guide	Link	-

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

*1: Letter of Acknowledgement
*2: End User Lisence Agreement
*3: Software Lisence 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/G2L,RZ/G2LC,RZ/G2UL Software contents Archive List] Jan. 2023

#	G2L	G2LC	G2UL	Download Link
1	✓			HTML5 (Gecko102) packages V2.0.0 for RZ/G Verified Linux Package V3.0.1 (RTK0EF0045Z40001ZJ_v2.0.0.zip)
2	✓			Open source packages for HTML5 (oss_pkg_gecko102_v2.0.0.7z)
3	sy Dow	✓		RZ MPU Graphics Library Evaluation Version V1.21 for RZ/G2L, RZ/G2LC, and RZ/V2L (RTK0EF0045Z13001ZJ-v1.21_EN.zip)
4	✓	✓	✓	Additional package for RZ/G2L Group BSPv1.4 (additional_pkg_rzg2l_bsp1.4.zip)
5	✓			Codec Library Evaluation Version V0.51 for Board Support Package of RZ/G2L and RZ/V2L
6	✓			Codec Library Evaluation Version V0.51 for RZ/G2L Group Board Support Package
7	✓			Codec Library Evaluation Version V0.52 for RZ/G2L Board Support Package
8	✓			Codec Library Evaluation Version V0.54 for RZ/G2L Group Board Support Package
9	✓			HTML5 (Gecko) package V1.0 for RZ/G Verified Linux Package V3.0.0 (RTK0EF0045Z40001ZJ_v3.0.0.zip)
10	✓			HTML5 (Gecko) Package V1.0 for RZ/G2L Group Board Support Package V1.4 (RTK0EF0045Z41001ZJ_v1.0.zip)
11	✓	✓	✓	HTML5 (Gecko) packages V1.1 for RZ/G Verified Linux Package V3.0.0 (RTK0EF0045Z40001ZJ_v1.1.zip)
12	✓			Mali GPU Graphics Library Evaluation Version V0.51 for RZ/G2L Board Support Package
13	✓	✓	✓	Open source packages (oss_pkg_rzg_v3.0.1.7z)
14	✓	✓	✓	Open source packages (oss_pkg_v3.0.0.7z)
15	✓	✓	✓	Open source packages for HTML5 (oss_pkg_gecko_v1.1.7z)
16	✓			Open source packages for HTML5 (oss_pkg_gecko_v3.0.0.7z)
17	✓			RZ MPU Codec Library Evaluation Version V0.53 for Board Support Package of RZ/G2L and RZ/V2L
18	✓			RZ MPU Codec Library Evaluation Version V0.55 for Board Support Package of RZ/G2L
19	✓	✓		RZ MPU Graphic Library Evaluation Version V1.1 for RZ/G2L, RZ/G2LC and RZ/V2L (RTK0EF0045Z13001ZJ-v1.1_EN.zip)
20	✓	✓	✓	RZ MPU Graphic Library Evaluation Version V1.3 for RZ/G2L and RZ/G2LC
21	✓	✓		RZ MPU Graphics Library Evaluation Version V0.8 for Board Support Package of RZ/G2L, RZ/G2LC, and RZ/V2L
22	✓	✓		RZ MPU Graphics Library Evaluation Version V0.81 for Board Support Package of RZ/G2L and RZ/G2LC
23	✓	✓		RZ MPU Graphics Library Evaluation Version V1.0 for Verified Linux Package of RZ/G2L and RZ/G2LC
24	✓	✓		RZ MPU Graphics Library Evaluation Version V1.2 for RZ/G2L, RZ/G2LC, and RZ/V2L (RTK0EF0045Z13001ZJ-v1.2_EN.zip)
25	✓			RZ MPU Video Codec Library Evaluation Version V0.56 for Verified Linux Package of RZ/G2L
26	✓			RZ MPU Video Codec Library Evaluation Version V0.57 for RZ/G2L and RZ/V2L (RTK0EF0045Z15001ZJ-v0.57_EN.zip)
27	✓			RZ MPU Video Codec Library Evaluation Version V0.58 for RZ/G2L and RZ/V2L (RTK0EF0045Z15001ZJ-v0.58_EN.zip)
28	✓			RZ MPU Video Codec Library Evaluation Version V1.0 for RZ/G2L
29	✓	✓	✓	RZ/G Verified Linux Package V3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)
30	✓	✓	✓	RZ/G Verified Linux Package V3.0.0-update1 (RTK0EF0045Z0021AZJ-v3.0.0-update1.zip)
31	✓	✓	✓	RZ/G Verified Linux Package V3.0.0-update2 (RTK0EF0045Z0021AZJ-v3.0.0-update2.zip)
32	✓	✓	✓	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
33	✓			RZ/G2L Board Support Package V1.0 (RTK0EF0045Z0019AZJ-v1.0.zip)
34	✓			RZ/G2L Board Support Package V1.1 (RTK0EF0045Z0019AZJ-v1.1.zip)
35	✓			RZ/G2L Board Support Package V1.1update1 (RTK0EF0045Z0019AZJ-v1.1update1.zip)
36	✓			RZ/G2L Board Support Package V1.1update1 patch (v1.1-to-v1.1update1.patch.tar.gz)
37	✓	✓		RZ/G2L Board Support Package V1.3 update2 (RTK0EF0045Z0019AZJ-v1.3update2.zip)
38	✓	✓		RZ/G2L Group Board Support Package V1.3 update2 patch (v1.3-to-v1.3update2.patch)
39	✓	✓		RZ/G2L Group Board Support Package V1.3 update2 patch (v1.3-to-v1.3update2.patch.tar.gz)
40	✓	✓		RZ/G2L Group Board Support Package V1.3update1 (RTK0EF0045Z0019AZJ-v1.3update1.zip)
41	✓	✓		RZ/G2L Group Board Support Package V1.3update1 patch (v1.3-to-v1.3update1.patch.tar.gz)
42	✓	✓	✓	RZ/G2L Group Board Support Package V1.4 (RTK0EF0045Z0019AZJ-v1.4.zip)
43	✓	✓		RZ/G2L Security Package v1.0 for BSP v1.3update1
44	✓			Yocto recipe packages [BSP v1.0] (rzg2l_bsp_v1.0.tar.gz)
45	✓			Yocto recipe packages [BSP v1.1] (rzg2l_bsp_v1.1.tar.gz)
46	✓	✓		Yocto recipe packages [BSP v1.3] (rzg2l_bsp_v1.3.tar.gz)
47	✓	✓	✓	Yocto recipe packages [BSP v1.4] (rzg2l_bsp_v1.4.tar.gz)
48	✓	✓	✓	Yocto recipe packages [VLP v3.0.0] (rzg_bsp_v3.0.0.tar.gz)
49	✓			Yocto recipe packages for HTML5 [VLP v3.0.0] (rzg_bsp_gecko_v3.0.0.tar.gz)
50	✓			Yocto recipe packages for HTML5[VLP v3.0.0] (rzg_bsp_gecko_v1.1.tar.gz)