RZ/G2L, RZ/G2LC Contents Guide

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Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link
1	User's Manual	Document	User's Manual: Hardware	Link	
2	How to start up the board				
		Document	SMARC Module Board User's Manual	Link	Link
		Document	SMARC Carrier Board User's Manual	Link	
		Document	Evaluation Kit(EVK) Start Up Guide	Link	
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	Link
4-1	Evaluation environment start-up method				
	Verified Linux Package (VLP)	Document	Release Note for RZ/G Verified Linux Package	Link	
		Document	RZ/G Verified Linux Package Component List	Link	
		Document	Release Note for HTML5 (RZ/G Verified Linux Package)	Link	-
		Document	Component List for HTML5 (RZ/G Verified Linux Package)	Link	-
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	Link	
4-2	Evaluation environment start-up method				
	Multi-OS Package	Document	Release Note for Muti-OS Package	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				
	Verified Linux Package (VLP)	Web Link	RZ/G Verified Linux Package [5.10-CIP]	Link	
	Feature Package (Graphics Liblary)	Web Link	RZ MPU Graphics Library Evaluation Version	Link	
	Feature Package (Codec Liblary)	Web Link	RZ MPU Video Codec Library Evaluation	Link	-
	Feature Package (HTML5 Package)	Web Link	RZ MPU HTML5 (Gecko) Package	Link	-
	Feature Package (Multi-OS Package)	Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package	Link	
	Feature Package (Security Package)	Web Link	RZ MPU Security 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/G2L Link	RZ/G2LC Link
	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	Document	PCB Design Guideline for DDR4/DDR3L	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	Link
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Link
	IBIS(For LSI)	Model	IBIS	Link	Link
	Boundary Scan Description Language file	File	BSDL	Link	
	Power Delivery Network model	Model	PDN	Link	
	Guide to Using RGMII in Making an Ethernet-IF Connection	Document	Guide to Using RGMII in Making an Ethernet-IF Connection	Link	
	RZ/G2L Power Consumption Measurement	Document	Power Consumption Measurement	Link	-
	Reference Power consumption	Document	Reference power consumption guide	Link	Link
	Thermal Management Guide	Document	Thermal Management Guideline	Link	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	
	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	

Step	Information for engineers	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link
	RZ/G Series 32/64-bit MPU (Wiki)	Link summary	Introduction,Boards,Software and Documentation		Link
	Contact Support	QA Ticket	Technical Q&A		Link

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

[RZ/G2L,RZ/G2LC,RZ/G2UL Software contents Archive List] Oct. 2022

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