



RZ/G2L, RZ/G2LC Easy Download Guide

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

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Mouseover "L" in "Link"

Step	Information for engineers	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC 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/G2L Link	RZ/G2LC Link	Note
1	RZ Family Brochure	Document	RZ Family Microprocessors	Link		-
2	Fleyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	Link		-
3	White Paper	Document	RZ/G2L & RZ/G2LC 64-bit MPUs Enable Entry-Level HMI with AI Inference	Link		-
4	User's Manual Overview	Document	User's Manual Overview	Link		-
5	Online Training	Video	Online Training on RZ/G2L and RZ/G2LC 64-bit Arm®-based MPUs			
6	60 secondes Video	Video	64-bit RZ/G2L, RZ/G2LC Microprocessors Expand HMI Features			
7	Human Machine Interface with Arm-based Edge AI	Video	Human Machine Interface with Arm®-based Edge AI	Link		-
8	Introduction of RZ/G AI BSP	Video	Introduction of RZ/G AI BSP			
9	RZ/G FOSS AI Shipping Basket Demo	Video	RZ/G FOSS AI Shipping Basket Demo			
10	On-Demand Webinar	Video	Digital Transformations Enabled by RZ/G2L, RZ/G2LC 64-bit Microprocessors			

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC 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	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	Document	Release Note for RZ/G Verified Linux Package		Link	-
	Verified Linux Package (VLP)	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	EULA*2
	RZ/G Proprietary SW Package Handring	Document	RZ/G Proprietary SW Package Handring	Please contact Disti/Sales		-
4-2	Evaluation environment start-up method	Document	Release Note for Multi-OS Package		Link	-
	Multi-OS Package	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	Software	RZ/G2L,LC Pre-built Images (RZG2L_VLP3.0.3_Pre-built_Images.zip)	Link	Link	SLA*3
	RZ/G2L,LC Pre-built Images	Web Link	RZ/G Verified Linux Package [5.10-CIP]		Link	-
	Verified Linux Package (VLP)	Web Link	RZ MPU Graphics Library		Link	SLA*3
	Feature Package (Graphics Library)	Web Link	RZ MPU Video Codec Library	Link	-	SLA*3
	Feature Package (Codec Library)	Web Link	RZ MPU HTML5 (Gecko) Package	Link	-	-
	Feature Package (HTML5 Package)	Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package		Link	EULA*2
	Feature Package (Multi-OS Package)	Web Link	RZ MPU Security Package		Link	SLA*3
	Feature Package (Security Package)	Web Link	Camera Image Overlay Demos (Github)	Link	-	-
	Demo software	Web Link	RZ CRU Sample Code(Github)	Link	-	-
	Sample Code	Web Link	RZ MPU WebUI Package		Link	-
	Web UI Package	Web Link	HTML5/Gecko (Linux kernel5.10)	Link	-	-
	Application Framework(HTML5/Gecko)	Web 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	Note
	PCB Design and Verification Flow (for DDR-IF)	Document	PCB Design 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	Link	-
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Link	Disclaimer*4
	IBIS(For LSI)	Model	IBIS	Link	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/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	-
	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	-
	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.

[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	✓	✓		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)