

### RZ/G2UL Easy Download Guide

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

Step	Introduction	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
1	RZ Family Brochure	Document	RZ Family Microprocessors	<a href="#">Link</a>	-	Non limitation
2	Flyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	<a href="#">Link</a>	-	Non limitation
3	User's Manual Overview	Document	User's Manual Overview	<a href="#">Link</a>	-	Non limitation
4	Demo Video	Video	Introduction to RZ/G2UL - An Entry-class MPU for Industrial HMI Applications	<a href="#">Link</a>	-	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	<a href="#">Link</a>	-	Non limitation
		Document	Technical Update	<a href="#">Link</a>	-	Non limitation
		Document	Additional document for User's Manual(SDHI)(Requires LoA)	<a href="#">Link</a>	Please contact Distl/Sales	LoA*1
2	How to start up the board	Document	SMARC Module Board User's Manual	<a href="#">Link</a>	-	Non limitation
		Document	SMARC Carrier Board User's Manual	<a href="#">Link</a>	-	Non limitation
		Document	Evaluation Board Kit(EVK) Start Up Guide	<a href="#">Link</a>	-	Non limitation
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	<a href="#">Link</a>	-	Non limitation
4-1	Evaluation environment start-up method Verified Linux Package (VLP)	Document	<a href="#">RZ/G Verified Linux Package V3.0.6-update2 Release Note</a>	<a href="#">Link</a>	-	Non limitation
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	<a href="#">Link</a>	-	Non limitation
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	<a href="#">Link</a>	EULA*2	MyRenesas
		Document	RZ/G Proprietary SW Package Handring	<a href="#">Link</a>	Please contact Distl/Sales	-
4-2	Evaluation environment start-up method Multi-OS Package	Document	Release Note for Multi-OS Package v2.0.2	<a href="#">Link</a>	-	Non limitation
		Document	Getting Started with Flexible Software Package	<a href="#">Link</a>	-	Non limitation
		Document	Setting GPIO with Flexible Software Package	<a href="#">Link</a>	-	Non limitation
		Document	FSP Documentation	<a href="#">Link</a>	-	Non limitation
		Document	Release Note for Flexible Software Package	<a href="#">Link</a>	-	Non limitation
5-1	How to get various software RZ/G2UL Pre-built Images Verified Linux Package (VLP) Feature Package (Multi-OS Package) Feature Package (Security Package) Web UI Package	Software	RZ/G2UL Pre-built Images (RZG2UL_VLP3.0.6_Pre-built_Images.zip)	<a href="#">Link</a>	-	Non limitation
		Web Link	RZ/G Verified Linux Package [5.10-CIP]	<a href="#">Link</a>	-	Non limitation
		Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package	<a href="#">Link</a>	EULA*2	MyRenesas
		Web Link	Security Package	<a href="#">Link</a>	SLA*3	Secure Access
		Web Link	RZ MPU WebUI Package	<a href="#">Link</a>	-	Non limitation
6	How to get various tools	Tool	Smart Configurator	<a href="#">Link</a>	-	Non limitation
7	How to launch various tools	Document	Smart Configurator for RZ User's Guide	<a href="#">Link</a>	-	Non limitation

Step	Custom board development	Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
	PCB Desigh and Verification Flow (for DDR-IF)	Document	PCB Desigh and Verification Flow (for DDR-IF)	<a href="#">Link</a>	Please contact Distl/Sales	-
	PCB design checklist when designing a custom board	Document	Board circuit design checklist	<a href="#">Link</a>	-	Non limitation
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CS1, MIPI-DS1 and USB2.0	<a href="#">Link</a>	-	Non limitation
	PCB Design Guide for DDR memory,DDR Config Generation Tool	Document,Tool	PCB Design Guideline for DDR4/DDR3L, DDR Config Generation Tool	<a href="#">Link</a>	-	Non limitation
	PCB Verification Guide for Core, PDN Model	Document,Model	PCB verification guide for Core VDD,PDN model	<a href="#">Link</a>	-	Non limitation
	PCB Verification Guide for DDR memory, PKG model	Document,Model	PCB verification guide for DDR4/DDR3L, PKG model	<a href="#">Link</a>	-	Non limitation
	Reference Desing Data(Schamtics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	<a href="#">Link</a>	Disclaimer*4	MyRenesas
	Reference Desing Data(Schamtics,Layout,BOM)	Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	<a href="#">Link</a>	Disclaimer*4	MyRenesas
	IBIS(For LSI)	Model	IBIS	<a href="#">Link</a>	Disclaimer*4	MyRenesas
	Boundary Scan Description Language file	File	BSDL	<a href="#">Link</a>	Disclaimer*4	MyRenesas
	Guide to Using RGMII in Making an Ethernet-IF Connection	Document	Guide to Using RGMII in Making an Ethernet-IF Connection	<a href="#">Link</a>	-	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	<a href="#">Link</a>	-	Non limitation
	RZ/G2LC and RZ/G2UL Type-2 Pin Compatibility Guide	Document	RZ/G2LC and RZ/G2UL Type-2 Pin Compatibility Guide	<a href="#">Link</a>	-	Non limitation
	RZ/G2UL Power Consumption Measurement	Document	Power Consumption Measurement	<a href="#">Link</a>	-	Non limitation
	Reference Power consumption	Document	Reference power consumption guide	<a href="#">Link</a>	-	Non limitation
	Thermal Management Guide	Document	Thermal Management Guideline	<a href="#">Link</a>	-	Non limitation
	Mecanical Handling Guideline	Document	Mecanical Handling Guideline	<a href="#">Link</a>	-	Non limitation
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	<a href="#">Link</a>	-	Non limitation
	Baking conditions	Document	Mount Conditions Baking Conditions	<a href="#">Link</a>	-	Non limitation
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	<a href="#">Link</a>	-	Non limitation
	Lifetime estimation guide	Document	Lifetime Guideline	<a href="#">Link</a>	-	Non limitation
	Power Management IC installed in EVK	Device Info	Power Management IC	<a href="#">Link</a>	-	Non limitation
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	<a href="#">Link</a>	-	Non limitation
	RZ/G2UL Reliability Report	Document	R9A07G043UXXGBG Reliability Report	<a href="#">Link</a>	-	Non limitation
	Power calculation sheet and guide	Document	Power calcrution sheet and guide	<a href="#">Link</a>	Please contact Distl/Sales	-
	Low Power Guideline	Document	Low Power Guideline	<a href="#">Link</a>	Please contact Distl/Sales	Please contact Distl/Sales

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