

**RZ/G2L, RZ/G2LC Easy Download Guide**

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

Step	Introduction	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note
1	RZ Family Brochure	Document	RZ Family Microprocessors	<a href="#">Link</a>	<a href="#">Link</a>	-
2	Fleyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	<a href="#">Link</a>		-
3	White Paper	Document	RZ/G2L & RZ/G2LC 64-bit MPUs Enable Entry-Level HMI with AI Inference	<a href="#">Link</a>		-
4	User's Manual Overview	Document	User's Manual Overview	<a href="#">Link</a>		-
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	<a href="#">Link</a>		-
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			-
11	RZ/G IEC 62443-4-2 READY Solution	WEB Page	RZ/G IEC 62443-4-2 READY Solution	<a href="#">Link</a>		-

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	<a href="#">Link</a>	<a href="#">Link</a>	-
		Document	Technical Update	<a href="#">Link</a>		-
		Document	Additional document for User's Manual(SDHI)(Requires LoA)		Please contact Distri/Sales	LoA*1
2	How to start up the board	Document	RZ/G2L Evaluation Board Kit Quick Start Guide	<a href="#">Link</a>	-	-
		Document	SMARC Module Board User's Manual	<a href="#">Link</a>	<a href="#">Link</a>	-
		Document	SMARC Carrier Board User's Manual	<a href="#">Link</a>	<a href="#">Link</a>	-
		Document	Evaluation Kit(EVK) Start Up Guide	<a href="#">Link</a>	<a href="#">Link</a>	-
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	<a href="#">Link</a>	<a href="#">Link</a>	-
4-1	Evaluation environment start-up method Verified Linux Package (VLP)	Document	<b>Release Note for RZ/G Verified Linux Package(v3.0.6)</b>	<a href="#">Link</a>		-
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	<a href="#">Link</a>		-
		Document	HTMLS(Gecko102.15_packages V2.1.0) Start-up Guide (for RZ/G VLPv3.0.5)	<a href="#">Link</a>		-
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	<a href="#">Link</a>		EULA*2
		Document	RZ/G2L GStreamer User's Manual	<a href="#">Link</a>	-	-
		Document	RZ/G Proprietary SW Package Handring		Please contact Distri/Sales	-
4-2	Evaluation environment start-up method Multi-OS Package	Document	<b>Release Note for Multi-OS Package v2.0.2</b>	<a href="#">Link</a>		-
		Document	Getting Started with Flexible Software Package	<a href="#">Link</a>		-
		Document	Setting GPIO with Flexible Software Package	<a href="#">Link</a>		-
		Document	FSP Documentation	<a href="#">Link</a>		-
		Document	Release Note for Flexible Software Package	<a href="#">Link</a>		-
5-1	How to get various software	Software	<b>RZ/G2L,LC Pre-built Images (RZG2L,RZ/G2LC_VLP3.0.6_Pre-built_Images.zip)</b>	<a href="#">Link</a>	<a href="#">Link</a>	SLA*3
	RZ/G2L,LC Pre-built Images	Software	RZ/G Verified Linux Package [5.10-CIP]	<a href="#">Link</a>	<a href="#">Link</a>	-
	Verified Linux Package (VLP)	Software	RZ MPU Graphics Library	<a href="#">Link</a>	<a href="#">Link</a>	SLA*3
	Feature Package (Graphics Library)	Software	RZ MPU Video Codec Library	<a href="#">Link</a>	-	SLA*3
	Feature Package (Codec Library)	Software	RZ MPU HTML5 (Gecko) Package	<a href="#">Link</a>	-	-
	Feature Package (HTML5 Package)	Software	RZ/G2L and RZ/G2UL Group Multi-OS Package	<a href="#">Link</a>		EULA*2
	Feature Package (Multi-OS Package)	Software	RZ MPU Security Package	<a href="#">Link</a>	<a href="#">Link</a>	SLA*3
	Feature Package (Security Package)	Software	Camera Image Overlay Demos (Github)	<a href="#">Link</a>	-	-
	Demo software	Software	RZ/G2L Gstreamer sample Code(GitHub)	<a href="#">Link</a>		-
	Sample Code	Software	RZ MPU WebUI Package	<a href="#">Link</a>	<a href="#">Link</a>	-
	Web UI Package	Software				-
6	How to get various tools	Tool	Smart Configurator	<a href="#">Link</a>		-
7	How to launch various tools	Document	Smart Configurator for RZ User's Guide	<a href="#">Link</a>		-

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 Distri/Sales	-
	PCB design checklist when designing a custom board	Document	Board circuit design checklist	<a href="#">Link</a>		-
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	<a href="#">Link</a>		-
	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>		-
	PCB Verification Guide for Core	Document	PCB verification guide for Core VDD	<a href="#">Link</a>		-
	PCB Verification Guide for DDR memory	Document,Model	PCB verification guide for DDR4/DDR3L	<a href="#">Link</a>	<a href="#">Link</a>	-
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	<a href="#">Link</a>	<a href="#">Link</a>	Disclaimer*4
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	<a href="#">Link</a>	<a href="#">Link</a>	Disclaimer*4
	IBIS(For LSI)	Model	IBIS	<a href="#">Link</a>	<a href="#">Link</a>	Disclaimer*4
	Boundary Scan Description Language file	File	BSDL	<a href="#">Link</a>	<a href="#">Link</a>	Disclaimer*4
	Power Delivery Network model	Model	PDN	<a href="#">Link</a>	<a href="#">Link</a>	Disclaimer*4
	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>	<a href="#">Link</a>	-
	RZ/G2L Power Consumption Measurement	Document	Power Consumption Measurement	<a href="#">Link</a>	-	-
	Reference Power consumption	Document	Reference power consumption guide	<a href="#">Link</a>	<a href="#">Link</a>	-
	Thermal Management Guide	Document	Thermal Management Guideline	<a href="#">Link</a>	<a href="#">Link</a>	-
	Mecanical Handling Guideline	Document	Mechanical Handling Guideline	<a href="#">Link</a>		-
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	<a href="#">Link</a>		-
	Baking conditions	Document	Mount Conditions Baking Conditions	<a href="#">Link</a>		-
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	<a href="#">Link</a>		-
	Lifetime estimation guide	Document	Lifetime Guideline	<a href="#">Link</a>		-
	Power Management IC installed in EVK	Device Info	Power Management IC	<a href="#">Link</a>		-
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	<a href="#">Link</a>		-
	RZ/G2L,RZ/G2LC Reliability Report	Document	R9A07G044XXXGBG Reliability Report	<a href="#">Link</a>	<a href="#">Link</a>	-
	Power calculation sheet and guide	Document	Power calculation sheet and guide		Please contact Distri/Sales	-
	Low Power Guideline	Document	Low Power Guideline		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/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	✓	✓		<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>