

RZ/G2L, RZ/G2LC Easy Download Guide

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	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	Link	-
2	Fleyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	Link	Link	-
3	White Paper	Document	RZ/G2L & RZ/G2LC 64-bit MPUs Enable Entry-Level HMI with AI Inference	Link	Link	-
4	User's Manual Overview	Document	User's Manual Overview	Link	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	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	Link	-
		Document	Technical Update	Link	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	Link	-
		Document	Evaluation Kit(EVK) Start Up Guide	Link	Link	-
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	Link	-
	Getting Started WEB Page	WEB Page	RZ/G2L Getting Started WEB Page	Link	Link	-
4-1	Evaluation environment start-up method	Document	Release Note for RZ/G Verified Linux Package(v3.0.5)		Link	-
	Verified Linux Package (VLP)	Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide		Link	-
		Document	HTML5(Gecko102.15_packages V2.1.0) Start-up Guide (for RZ/G VLPv3.0.5)		Link	-
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set		Link	EULA*2
		Document	RZ/G2L GStreamer User's Manual	Link	Link	-
		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 v1.22	Link	Link	-
	Multi-OS Package	Document	Getting Started with Flexible Software Package	Link	Link	-
		Document	Setting GPIO with Flexible Software Package	Link	Link	-
		Document	FSP Documentation	Link	Link	-
		Document	Release Note for Flexible Software Package	Link	Link	-
5-1	How to get various software	Software	RZ/G2L,LC Pre-built Images (RZG2L_VLP3.0.5_Pre-built_Images.zip)	Link	Link	SLA*3
	RZ/G2L,LC Pre-built Images	Software	RZ/G Verified Linux Package [5.10-CIP]	Link	Link	-
	Verified Linux Package (VLP)	Software	RZ MPU Graphics Library	Link	Link	SLA*3
	Feature Package (Graphics Library)	Software	RZ MPU Video Codec Library	Link	Link	SLA*3
	Feature Package (Codec Library)	Software	RZ MPU HTML5 (Gecko) Package	Link	Link	-
	Feature Package (HTML5 Package)	Software	RZ/G2L and RZ/G2UL Group Multi-OS Package		Link	EULA*2
	Feature Package (Multi-OS Package)	Software	RZ MPU Security Package	Link	Link	SLA*3
	Feature Package (Security Package)	Software	Camera Image Overlay Demos (Github)	Link	Link	-
	Demo software	Software	RZ CRU Sample Code(Github)	Link	Link	-
	Sample Code	Software	RZ/G2L Gstreamer sample Code(GitHub)	Link	Link	-
	Sample Code	Software	RZ MPU WebUI Package	Link	Link	-
	Web UI Package	Software	Performance Guide with benchmark software	Link	Link	-
	Performance Guide with benchmark software	Software				
6	How to get various tools	Tool	Smart Configurator	Link	Link	-
7	How to launch various tools	Document	Smart Configurator for RZ User's Guide	Link	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	Link	-
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	Link	Link	-
	PCB Design Guide for DDR memory,DDR Config Generation Tool	Document,Tool	PCB Design Guideline for DDR4/DDR3L, DDR Config Generation Tool	Link	Link	-
	PCB Verification Guide for Core	Document	PCB verification guide for Core VDD	Link	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
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	Carrier 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	BSDSL	Link	Link	Disclaimer*4
	Power Delivery Network model	Model	PDN	Link	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	Link	-
	RZ/G2L Power Consumption Measurement	Document	Power Consumption Measurement	Link	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	Link	-
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	Link	Link	-
	Baking conditions	Document	Mount Conditions Baking Conditions	Link	Link	-
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	Link	Link	-
	Lifetime estimation guide	Document	Lifetime Guideline	Link	Link	-
	Power Management IC installed in EVK	Device Info	Power Management IC	Link	Link	-
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	Link	Link	-
	RZ/G2L,RZ/G2LC Reliability Report	Document	R9A07G044XXGBG Reliability Report	Link	Link	-
	Power calculation sheet and guide	Document	Power calacurion 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 Licence Agreement

*3: Software Licence 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 (RTK0EF0045Z40001Z) 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 (RTK0EF0045Z13001Z)-v1.21_EN.zip
4	✓	✓	✓	Additional package for RZ/G2L Group BSPv1.4 (additional_pkg_rzp2l_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 (RTK0EF0045Z40001Z) v3.0.0.zip
10	✓			HTML5 (Gecko) Package V1.0 for RZ/G2L Group Board Support Package V1.4 (RTK0EF0045Z41001Z) v1.0.zip
11	✓	✓	✓	HTML5 (Gecko) packages V1.1 for RZ/G Verified Linux Package V3.0.0 (RTK0EF0045Z40001Z) v1.1.zip
12	✓			Mail 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 (RTK0EF0045Z13001Z)-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 (RTK0EF0045Z13001Z)-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 (RTK0EF0045Z15001Z)-v0.57_EN.zip
27	✓			RZ MPU Video Codec Library Evaluation Version V0.58 for RZ/G2L and RZ/V2L (RTK0EF0045Z15001Z)-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 (RTK0EF0045Z0021AZ)-v3.0.0.zip
30	✓	✓		RZ/G Verified Linux Package V3.0.0-update1 (RTK0EF0045Z0021AZ)-v3.0.0-update1.zip
31	✓	✓	✓	RZ/G Verified Linux Package V3.0.0-update2 (RTK0EF0045Z0021AZ)-v3.0.0-update2.zip
32	✓	✓	✓	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZ)-v3.0.1.zip
33	✓			RZ/G2L Board Support Package V1.0 (RTK0EF0045Z0019AZ)-v1.0.zip
34	✓			RZ/G2L Board Support Package V1.1 (RTK0EF0045Z0019AZ)-v1.1.zip
35	✓			RZ/G2L Board Support Package V1.1update1 (RTK0EF0045Z0019AZ)-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 (RTK0EF0045Z0019AZ)-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 (RTK0EF0045Z0019AZ)-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 (RTK0EF0045Z0019AZ)-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)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Microprocessors - MPU category](#):

Click to view products by [Renesas manufacturer](#):

Other Similar products are found below :

[A2C00010998 A](#) [T1024NXE7PQA](#) [BOXSTCK1A8LFCL](#) [T1024NXN7MQA](#) [T2080NXE8MQB](#) [T4240NXN7PQB](#) [R7S910018CBG#AC0](#)
[NS7520B-1-C55](#) [T1024NXN7PQA](#) [FH8067303534005S](#) [R3ZM](#) [MIMX8QX5CVLFZAC](#) [HW8076502640002S](#) [R38F](#) [MIMX8UX6CVLFZAC](#)
[MCF54452VP266](#) [R9A07G044L23GBG#AC0](#) [R9A07G074M04GBG#AC0](#) [R9A07G044C22GBG#AC0](#) [R9A07G054L24GBG#AC0](#)
[R9A07G054L23GBG#AC0](#) [R9A07G075M24GBG#AC0](#) [R9A07G075M24GBA#AC0](#) [LS2084ACE7TTB](#) [FS32V234CON2VUB](#)
[R8A774A2HA01BG#UV](#) [R8A774E0HA01BN#U6](#) [M0516LBN](#) [MCF5208CVM166](#) [MCF52277CVM160](#) [MCF54415CMJ250](#)
[MCIMX355AJQ5C](#) [MCIMX357DJQ5C](#) [MCIMX6L2EVN10AB](#) [MCIMX6Q4AVT10AD](#) [MCIMX6Q6AVT10AD](#) [MCIMX6S6AVM08AC](#)
[MCIMX6U5DVM10AC](#) [MCIMX6U7CVM08AC](#) [MCF54418CMJ250](#) [MCIMX6D5EYM10AD](#) [MCIMX6D6AVT10AD](#)
[MCIMX6G1CVM05AB](#) [MPC8313EVRAFFC](#) [MPC8314ECVRAGDA](#) [MPC8314VRAGDA](#) [PIC16F1828-I/SS](#) [PIC16F690T-I/SS](#)
[PIC18F13K50-I/SS](#) [PIC16F877-20/PQ](#) [PIC16F727-I/PT](#) [PIC16F1847-I/SS](#)