

RZ/G2L, RZ/G2LC Easy Download Guide

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

Step	Introduction	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
1	Datasheet	Document	RZ/G2L,RZ/G2LC Data sheet	Link		-	Non limitation
2	RZ Family Brochure	Document	RZ Family Microprocessors	Link		-	Non limitation
3	Fleyer	Document	Renesas RZ/G2L,RZ/G2LC,RZ/G2UL	Link		-	Non limitation
4	White Paper	Document	RZ/G2L & RZ/G2LC 64-bit MPUs Enable Entry-Level HMI with AI Inference	Link		-	Non limitation
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				
8	Introduction of RZ/G AI BSP	Video	Introduction of RZ/G AI BSP	Link		-	Non limitation
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 Family Product Part Number Guide	Document	RZ Family Product Part Number Guide	Link		-	Non limitation

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
1	User's Manual	Document	User's Manual: Hardware	Link		-	Non limitation
		Document	Technical Update	Link		-	Non limitation
		Document	Additional document for User's Manual(SDHI)(Requires LoA)			Please contact Distl/Sales	LoA*1 Please contact Distl/Sales
2	How to start up the board	Video	RZ/G2L EVK Tutorial	Link		-	Non limitation
		Document	RZ/G2L Evaluation Board Kit Quick Start Guide	Link		-	Non limitation
		Document	SMARC Module Board User's Manual	Link	Link	-	Non limitation
		Document	SMARC Carrier Board User's Manual	Link	Link	-	Non limitation
		Document	RZ/G Series Performance Guide	Link	Link	-	Non limitation
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	Link	-	Non limitation
4-1	Evaluation environment start-up method						
	Verified Linux Package (VLP)	Document	RZ/G Verified Linux Package V3.0.6-update3 Release Note	Link		-	Non limitation
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	Link		-	Non limitation
		Document	HTML5(Gecko102.15_packages V2.1.0) Start-up Guide (for RZ/G VLPv3.0.5)	Link		-	Non limitation
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	Link		EULA*2	MyRenesas
		Document	RZ/G2L GStreamer User's Manual	Link		Disclaimer*4	MyRenesas
		Document	RZ/G Proprietary SW Package Handling			Please contact Distl/Sales	Please contact Distl/Sales
4-2	Evaluation environment start-up method						
	Multi-OS Package	Document	Release Note for Multi-OS Package v2.0.2	Link		-	Non limitation
		Document	Getting Started with Flexible Software Package	Link		-	Non limitation
		Document	Setting GPIO with Flexible Software Package	Link		-	Non limitation
		Document	FSP Documentation	Link		-	Non limitation
		Document	Release Note for Flexible Software Package	Link		-	Non limitation
4-3	RZ Security Solution Overview						
	RZ MPU Security Package (Linux OS)	Document	RZ Security Solution Overview	Link			
5-1	How to get various software						
	RZ/G2L,LC Pre-built Images	Software	RZ/G2L,LC Pre-built Images (RZG2L,RZ/G2LC_VLP3.0.6_Pre-built_Images.z	Link	Link	SLA*3	MyRenesas
	Verified Linux Package (VLP)	Software	RZ/G Verified Linux Package [5.10-CIP]	Link	Link	-	Non limitation
	Feature Package (Graphics Library)	Software	RZ MPU Graphics Library	Link		SLA*3	Evaluation: MyRenesas Unrestricted: Secure Access Evaluation: MyRenesas Unrestricted: Secure Access
	Feature Package (Codec Library)	Software	RZ MPU Video Codec Library	Link		SLA*3	MyRenesas
	Feature Package (HTML5 Package)	Software	RZ MPU HTML5 (Chromium) Package	Link	Link	-	Non limitation
	Feature Package (HTML5 Package)	Software	RZ MPU HTML5 (Gecko) Package	Link		-	Non limitation
	Feature Package (Multi-OS Package)	Software	RZ/G2L and RZ/G2UL Group Multi-OS Package	Link	Link	EULA*2	MyRenesas
	Feature Package (Security Package)	Software	RZ MPU Security Package	Link	Link	SLA*3	Secure Access
	Demo software	Software	Camera Image Overlay Demos (Github)	Link		-	Non limitation
	Sample Code	Software	RZ/G2L GStreamer sample Code(GitHub)	Link		-	Non limitation
	Web UI Package	Software	RZ MPU WebUI Package	Link		-	Non limitation
	RZ/G HMI SDK	Software	HMI SDK v2.3.0.0	Link		SLA*3	Non limitation
	RZ BSP Porting - Ubuntu	Software	Ubuntu vesion 20.04.LTS (application note & script file)	Link		-	Non limitation
6	How to get various tools						
		Tool	Smart Configurator	Link		-	Non limitation
7	How to launch various tools						
		Document	Smart Configurator for RZ User's Guide	Link		-	Non limitation

Step	Custom board development	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
	PCB Design and Verification Flow (for DDR-IF)	Document	PCB Design and Verification Flow (for DDR-IF)			Please contact Distl/Sales	- Non limitation
	PCB design checklist when designing a custom board	Document	Board circuit design checklist	Link		-	Non limitation
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	Link		-	Non limitation
	PCB Design Guide for DDR memory,DDR Config Generation Tool	Document,Tool	PCB Design Guideline for DDR4/DDR3L, DDR Config Generation Tool	Link		-	Non limitation
	PCB Verification Guide for Core, PDN model	Document,Model	PCB verification guide for Core VDD, PDN model	Link	Link	-	Non limitation
	PCB Verification Guide for DDR memory	Document,Model	PCB verification guide for DDR4/DDR3L	Link	Link	-	Non limitation
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Link	Disclaimer*4	MyRenesas
	Reference Desing Data(Schematics,Layout,BOM)	Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	Link	Link	Disclaimer*4	MyRenesas
	IBIS(For LSI)	Model	IBIS	Link	Link	Disclaimer*4	MyRenesas
	Boundary Scan Description Language file	File	BSDL	Link	Link	Disclaimer*4	MyRenesas
	Guide to Using RGMII in Making an Ethernet-IF Connection	Document	Guide to Using RGMII in Making an Ethernet-IF Connection	Link		-	Non limitation
	RZ/G2L Power Consumption Measurement	Document	Power Consumption Measurement	Link		-	Non limitation
	Reference Power consumption	Document	Reference power consumption guide	Link	Link	-	Non limitation
	Thermal Management Guide	Document	Thermal Management Guideline	Link	Link	-	Non limitation
	Mecanical Handling Guideline	Document	Mecanical Handling Guideline	Link	Link	-	Non limitation
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	Link		-	Non limitation
	Baking conditions	Document	Mount Conditions Baking Conditions	Link		-	Non limitation
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	Link		-	Non limitation
	Lifetime estimation guide	Document	Lifetime Guideline	Link		-	Non limitation
	Power Management IC installed in EVK	Device Info	Power Management IC	Link		-	Non limitation
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	Link		-	Non limitation
	RZ/G2L,RZ/G2LC Reliability Report	Document	R9A07G044XXGBG Reliability Report	Link	Link	-	Non limitation
	Power calculation sheet and guide	Document	Power calacration sheet and guide			Please contact Distl/Sales	Please contact Distl/Sales
	Low Power Guideline	Document	Low Power Guideline			Please contact Distl/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/G Software package archive list (2H2024)

5.10-CIP

Product	Librally Nick Name	Version	Package Name
RZ/G2L	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Graphics Lib.	v1.2.2	RZ MPU Graphics Library V1.2.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2.2_XX.zip)
	Video Codec Lib.	v1.2.1	RZ MPU Video Codec Library v1.2.1 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.2.1_XX.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Graphics Lib.	v1.1.2	RZ MPU Graphics Library V1.1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.1.2_XX.zip)
	Video Codec Lib.	v1.1.0	RZ MPU Video Codec Library v1.1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.1.0_XX.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Graphics Lib.	v1.0.5	RZ MPU Graphics Library V1.0.5 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.0.5_XX.zip)
	Video Codec Lib.	v1.1.0	RZ MPU Video Codec Library v1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.0_rzg_XX.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Graphics Lib.	v1.3	RZ MPU Graphics Library V1.3 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.3_XX.zip)
Video Codec Lib.	v1.0	RZ MPU Video Codec Library v1.0 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ-v1.0_rzg_XX.zip)	
Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)	
Graphics Lib.	v1.2	RZ MPU Graphics Library V1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2_XX.zip)	
Video Codec Lib.	v0.58	RZ MPU Video Codec Library V0.58 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/V2L (RTK0EF0045Z16001ZJ-v0.58_XX.zip)	

Product	Librally Nick Name	Version	Package Name
RZ/G2LC	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Graphics Lib.	v1.2.2	RZ MPU Graphics Library V1.2.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2.2_XX.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Graphics Lib.	v1.1.2	RZ MPU Graphics Library V1.1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.1.2_XX.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Graphics Lib.	v1.0.5	RZ MPU Graphics Library V1.0.5 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.0.5_XX.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Graphics Lib.	v1.3	RZ MPU Graphics Library V1.3 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.3_XX.zip)
	Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)
	Graphics Lib.	v1.2	RZ MPU Graphics Library V1.2 Unrestricted Version for Verified Linux Package of RZ/G2L and RZ/G2LC (RTK0EF0045Z14001ZJ-v1.2_XX.zip)

Product	Librally Nick Name	Version	Package Name
RZ/G2UL	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF0045Z0021AZJ-v3.0.6.zip)
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF0045Z0021AZJ-v3.0.6-update1.zip)
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF0045Z0021AZJ-v3.0.6-update2.zip)
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF0045Z0021AZJ-v3.0.5.zip)
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF0045Z0021AZJ-v3.0.5-update1.zip)
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF0045Z0021AZJ-v3.0.5-update3.zip)
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF0045Z0021AZJ-v3.0.3.zip)
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF0045Z0021AZJ-v3.0.1.zip)
	Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF0045Z0021AZJ-v3.0.0.zip)