

RZ/G2L, RZ/G2LC Easy Download Guide

Step-1 Information for engineers	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
1- RZ/G Series 32/64-bit MPU (Wiki)	Link summary	Introduction, Boards, Software and Documentation	Link		-	Non limitation
1- Contact Support	QA Ticket	Technical Q&A	Link		-	Non limitation

Step-2 Introduction	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
2-1 Hardware Information	Document	RZ/G2L, RZ/G2LC Data sheet	Link		-	Non limitation
2-2 Introduction for products	Document	RZ Family Microprocessors	Link		-	Non limitation
	Document	Renesas RZ/G2L, RZ/G2LC RZ/G2UL	Link		-	Non limitation
	Document	RZ/G2L & RZ/G2LC 64-bit MPUs Enable Entry-Level HMI with AI Inference	Link		-	Non limitation
	Video	Online Training on RZ/G2L and RZ/G2LC 64-bit Arm®-based MPUs			-	Non limitation
	Video	64-bit RZ/G2L, RZ/G2LC Microprocessors Expand HMI Features			-	Non limitation
	Video	Human Machine Interface with Arm®-based Edge AI	Link		-	Non limitation
	Video	Introduction of RZ/G AI BSP			-	Non limitation
	Video	RZ/G FOSS AI Shipping Basket Demo			-	Non limitation
	Video	Digital Transformations Enabled by RZ/G2L, RZ/G2LC 64-bit Microprocessors			-	Non limitation
	Document	RZ Family Product Part Number Guide	Link		-	Non limitation

Step-3 Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
3-1 User's Manual	Document	User's Manual: Hardware	Link		-	Non limitation
	Document	Technical Update	Link		-	Non limitation
	Document	Additional document for User's Manual(SDH1)(Requires LoA)	Please contact Distri/Sales		LoA*1	Please contact Distri/Sales
3-2 Evaluation Board	WEB site	Evaluation Kit WEB Page	Link	Link	-	Non limitation
	Video	RZ/G2L EVK Tutorial	Link	-	-	Non limitation
	Document	SMARC Module Board User's Manual	Link	Link	-	Non limitation
	Document	SMARC Carrier Board User's Manual	Link		-	Non limitation
	Document	RZ/G Series Performance Guide	Link		-	Non limitation
3-3 Select the software solution for RZ/G	WEB site	RZ/G Software Package	Link		-	Non limitation
	Document	RZ/G Proprietary SW Package Handling	Please contact Distri/Sales		-	Please contact Distri/Sales
3-4 Evaluation environment start-up method BSP Plus	WEB site	RZ Linux BSP Plus	Link	-	-	Non limitation
	WEB site	What' new	Link	-	-	Non limitation
	WEB site	Getting Started	Link	-	-	Non limitation
	WEB site	How to Build	Link	-	-	Non limitation
3-5 Evaluation environment start-up method Verified Linux Package (VLP v4)	WEB site	RZ MPU Verified Linux Package [6.1-CIP]	Link		-	Non limitation
	Software	RZ/G Verified Linux Package(OSS) V4.0.0	Link		-	Non limitation
	Software	RZ MPU Graphics Library(Proprietary) V4.1.2.5	Link		SLA*3	MyRenesas
	Software	RZ MPU Video Codec Library(Proprietary) V4.1.3.0	Link	-	SLA*3	MyRenesas
	Document	Linux Start-Up Guide(for VLP)	Link		-	Non limitation
	Software	Pre-built Images	Link	Link	-	MyRenesas
	Document	Quick Start Guide (for pre-build image)	Link	-	-	Non limitation
	Document	BSP Manual Set	Link	Link	-	MyRenesas
	Document	GStreamer User's Manual	Link	-	Disclaimer*4	MyRenesas
3-6 Evaluation environment start-up method Verified Linux Package (VLP v3)	WEB site	RZ MPU Verified Linux Package [5.1-CIP]	Link		-	Non limitation
	Software	RZ/G Verified Linux Package(OSS) V3.0.7	Link		-	Non limitation
	Software	RZ MPU Graphics Library(Proprietary) V3.1.2.3	Link		SLA*3	MyRenesas
	Software	RZ MPU Video Codec Library(Proprietary) V3.1.3.0	Link	-	SLA*3	MyRenesas
	Document	Linux Start-Up Guide(for VLP)	Link		-	Non limitation
	Software	Pre-built Images	Link	Link	-	MyRenesas
	Document	Quick Start Guide (for pre-build image)	Link	-	-	Non limitation
	Document	BSP Manual Set	Link	Link	-	MyRenesas
	Document	GStreamer User's Manual	Link	-	Disclaimer*4	MyRenesas
3-7 Evaluation environment start-up method Qt Package(with VLP v4)	WEB site	RZ MPU Qt Package	Link	Link	-	Non limitation
	Software	Qt6 packages V4.0.0.0 for RZ/G Verified Linux Package V4.0.0 (RTX0EF0224200000Z1_v4.0.0.0.zip)	Link		-	Non limitation
	Document	Qt Start-up Guide	Link		-	Non limitation
3-5 Evaluation environment start-up method HMI SDK(w/rt VLP v3)	WEB site	RZ/G HMI SDK	Link		-	Non limitation
	WEB site	Getting Started	Link		-	Non limitation
	WEB site	How to Build	Link		-	Non limitation
3-7 Evaluation environment start-up method Multi-OS Package	WEB site	RZ/G Multi-OS Package	Link		-	Non limitation
	Software	RZ/G Multi-OS Package V3.0.0	Link		-	Non limitation
	Document	Release Note for RZ/G Multi-OS Package V3.0.0 (PDF)	Link		-	Non limitation
	Software	RZ/G FSP Windows Platform Installer(e2 stdio)	Link		-	Non limitation
	Software	RZ/G FSP Packs v3.1.0 (EXE)	Link		-	Non limitation
	Document	Renesas RZ/G Flexible Software Package (FSP) Documentation (Web version - H)	Link		-	Non limitation
	Document	Getting Started with Flexible Software Package	Link		-	Non limitation
	Document	Release Note for Flexible Software Package	Link		-	Non limitation
3-8 Evaluation environment start-up method Security Package	WEB site	RZ MPU Security Package (Linux OS)	Link		-	Non limitation
	Software	RZ MPU Security Package for RZ/G2L V4.2.0.0 (ZIP)	Link		SLA*3	Secure Access
	Software	RZ MPU Security Package for RZ/G2L V3.2.0.0 (ZIP)	Link		SLA*3	Secure Access
	Document	RZ Security Solution Overview	Link		-	Non limitation
3-8 Evaluation environment start-up method Ubuntu/Debian Solution	WEB site	Ubuntu and Debian for RZ MPU Linux	Link	-	-	Non limitation
	WEB site	What's New	Link	-	-	Non limitation
	WEB site	Getting Started	Link	-	-	Non limitation
3-8 How to get various tools	Tool	Smart Configurator	Link	Link	-	Non limitation
	Document	Smart Configurator for RZ User's Guide	Link		-	Non limitation

Step-4 Custom board development	Contents Type	Contents Name	RZ/G2L Link	RZ/G2LC Link	Note	Access levels
4-1 Documents and Simulation Models required for custom board design and development	Document	PCB Design and Verification Flow (for DDR-IF)	Please contact Distri/Sales		-	Non limitation
	Document	Board circuit design checklist	Link		-	Non limitation
	Document	PCB Design Guidelines for MIP1-CSI, MIP1-DSI and USB2.0	Link		-	Non limitation
	Document,Tool	PCB Design Guideline for DDR4/DDR3L, DDR Config Generation Tool	Link		-	Non limitation
	Document,Model	PCB verification guide for Core VDD, PDN model	Link		-	Non limitation
	Document,Model	PCB verification guide for DDR4/DDR3L	Link	Link	-	Non limitation
	Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Link	Disclaimer*4	MyRenesas
	Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	Link	Link	Disclaimer*4	MyRenesas
	Model	IBIS	Link	Link	Disclaimer*4	MyRenesas
	File	BSDL	Link	Link	Disclaimer*4	MyRenesas
	Document	Guide to Using RGMII in Making an Ethernet-IF Connection	Link		-	Non limitation
	Document	Power Consumption Measurement	Link	-	-	Non limitation
	Document	Reference power consumption guide	Link	Link	-	Non limitation
	Document	Thermal Management Guideline	Link	Link	-	Non limitation
	Document	Mechanical Handling Guideline	Link	Link	-	Non limitation
	Document	Mount Conditions Reflow Soldering Conditions	Link		-	Non limitation
	Document	Mount Conditions Baking Conditions	Link		-	Non limitation
	Document	Semiconductor Package Mount Manual	Link		-	Non limitation
	Document	Lifetime Guideline	Link		-	Non limitation
	Device Info	Power Management IC	Link		-	Non limitation
	Device Info	Clock Generator IC	Link	Link	-	Non limitation
	Document	R9A07G044XXGBG Reliability Report	Link	Link	-	Non limitation
	Document	Power calculation sheet and guide	Please contact Distri/Sales		-	Please contact Distri/Sales
	Document	Low Power Guideline	Please contact Distri/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 (1H2025)

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
		v3.0.6-update3	RZ/G Verified Linux Package v3.0.6-update3(RTK0EF0045Z0021AZJ)-v3.0.6-update3.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
		v1.2.2	RZ MPU Video Codec Library v1.2.2 Unrestricted Version for Verified Linux Package of RZ/G2L (RTK0EF0045Z16001ZJ)-v1.2.2_rzg_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
		v3.0.6-update3	RZ/G Verified Linux Package v3.0.6-update3(RTK0EF0045Z0021AZJ)-v3.0.6-update3.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
		v3.0.6-update3	RZ/G Verified Linux Package v3.0.6-update3(RTK0EF0045Z0021AZJ)-v3.0.6-update3.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