



This document regroups all links necessary for the user to develop an application

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RZ/G2UL Easy Download Guide

Step-1 Information for engineers		Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
1-1	RZ/G Series 32/64-bit MPU (Wiki)	Link summary	Introduction,Boards,Software and Documentation	Link	-	Non limitation
1-2	Contact Support	QA Ticket	Technical Q&A	Link	-	Non limitation

Step-2 Introduction		Contents Type	Contents Name	RZ/G2UL Link	Note	Access levels
2-1	Hardware Information	Document	RZ/G2UL 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
		Video	Introduction to RZ/G2UL - An Entry-class MPU for Industrial HMI Applications	Link	-	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/G2UL 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(SDHI)(Requires LoA)	Please contact Distri/Sales	LoA*1	Please contact Distri/Sales
3-2	How to start up the board	Document	SMARC Module Board User's Manual	Link	-	Non limitation
		Document	SMARC Carrier Board User's Manual	Link	-	Non limitation
		Document	RZ/G Series Performance Guide	Link	-	Non limitation
3-3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link	-	Non limitation
3-4	Evaluation environment start-up method Verified Linux Package (VLP)	Document	RZ/G Verified Linux Package V3.0.7 Release Note	Link	-	Non limitation
		Document	SMARC EVK of RZ/G2L, RZ/G2LC, RZ/G2UL Linux Start-up Guide	Link	-	Non limitation
		Document	RZ/G2L Group and RZ/V2L Group BSP Manual Set	Link	EULA*2	MyRenesas
		Document	RZ/G Proprietary SW Package Handling	Please contact Distri/Sales	-	Please contact Distri/Sales
3-5	Evaluation environment start-up method Multi-OS Package	Document	Release Note for Multi-OS Package v2.3.0 (for RZ/G VLP v3.0.6)	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
3-6	RZ Security Solution Overview	Document	RZ Security Solution Overview	Link	-	Non limitation
3-7	How to get various software	Software	RZ/G2UL Pre-built Images (RZG2UL_VLP3.0.7_Pre-built_Images.zip)	Link	-	Non limitation
		Web Link	RZ/G Verified Linux Package [5.10-CIP]	Link	-	Non limitation
		Web Link	RZ/G2L and RZ/G2UL Group Multi-OS Package	Link	EULA*2	MyRenesas
		Web Link	Security Package	Link	SLA*3	Secure Access
		Web Link	RZ MPU WebUI Package	Link	-	Non limitation
		Software	Ubuntu version 20.04.LTS (application note & script file)	Link	-	Non limitation
3-8	How to get various tools	Tool	Smart Configurator	Link	-	Non limitation
		Document	Smart Configurator for RZ User's Guide	Link	-	Non limitation

Step-4 Custom board development		Contents Type	Contents Name	RZ/G2UL 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-1F)	Please contact Distri/Sales	-	Please contact Distri/Sales
		Document	Board circuit design checklist	Link	-	Non limitation
		Document	PCB Design Guidelines for MIPI-CSI, MIPI-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, PKG model	Link	-	Non limitation
		Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	Link	Disclaimer*4	MyRenesas
		Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	Link	Disclaimer*4	MyRenesas
		Model	IBIS	Link	Disclaimer*4	MyRenesas
		File	BSDL	Link	Disclaimer*4	MyRenesas
		Document	Guide to Using RGMII in Making an Ethernet-1F Connection	Link	-	Non limitation
		Document	RZ/G2UL Type-1, RZ/A3UL and RZ/Five Pin Compatibility Guide	Link	-	Non limitation
		Document	RZ/G2LC and RZ/G2UL Type-2 Pin Compatibility Guide	Link	-	Non limitation
		Document	Power Consumption Measurement	Link	-	Non limitation
		Document	Reference power consumption guide	Link	-	Non limitation
		Document	Thermal Management Guideline	Link	-	Non limitation
		Document	Mechanical Handling Guideline	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	-	Non limitation
		Document	R9A07G043UXXGBG Reliability Report	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	-	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