

RZ/G3S Easy Download Guide

Step-1	Information for engineers	Contents Type	Contents Name	RZ/G3S Link	Note	Access levels
1-1	RZ/G Series 32/64-bit MPU (Wiki)	Link summary	This site is for embedded developers and engineers.	Web site	-	Non limitation
1-2	Contact Support	QA Ticket	Technical Q&A	Web site	-	Non limitation

Step-2	Introduction	Contents Type	Contents Name	RZ/G3S Link	Note	Access levels
2-1	Hardware Information	Document	RZ/G3S Datasheet	Doc	-	Non limitation
2-2	Introduction for products	Document	RZ Family Microprocessors	Doc	-	Non limitation
		Document	Renesas RZ/G3S Group Flyer	Doc	-	Non limitation
		Video	60's Video	Web site	-	Non limitation
		Document	RZ Family Product Part Number Guide	Doc	-	Non limitation

Step-3	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/G3S Link	Note	Access levels
3-1	User's Manual	Document	User's Manual: Hardware	Doc	-	Non limitation
		Document	Technical Update	Web site	-	Non limitation
		Document	Additional document for User's Manual(SDHI)(Requires LoA)	Please contact Distl/Sales	LoA*1	Please contact Distl/Sales
3-2	Evaluation Board	WEB site	Evaluation Kit WEB Page	Web site	-	Non limitation
		Document	SMARC Module Board User's Manual	Doc	-	Non limitation
		Document	SMARC Carrier Board User's Manual	ZIP file	-	Non limitation
3-3	Select the software solution for RZ/G	WEB site	RZ/G Software Package	Web site	-	Non limitation
		Document	RZ/G Proprietary SW Package Handling	Please contact Distl/Sales	-	Please contact Distl/Sales
3-4	Evaluation environment start-up method Linux BSP Plus	WEB site	RZ Linux BSP Plus	Web site	-	Non limitation
		WEB site	What' new	Web site	-	Non limitation
		WEB site	Getting Started	Web site	-	Non limitation
		WEB site	How to Build	Web site	-	Non limitation
		Software	Security Package for Linux BSP Plus Kernel 6.1.2 v1.0	Web site	SLA*3	Secure Access
3-5	Evaluation environment start-up method Verified Linux Package (VLP v4) [Linux Kernel 6.1-CIP]	Software	Multi-OS Package for BSP Plus (Git-hub)	Web site	-	Non limitation
		WEB site	RZ MPU Verified Linux Package [6.1-CIP]	Web site	-	Non limitation
		Software	RZ/G Verified Linux Package(OSS) V4.0.1	ZIP file	-	Non limitation
		Document	Linux Start-Up Guide(for VLP)	Doc	-	Non limitation
		Software	Pre-built Images	ZIP file	-	Non limitation
	Evaluation environment start-up method Verified Linux Package (VLP v3) [Linux Kernel 5.1-CIP]	Document	BSP Manual Set	ZIP file	-	Non limitation
		WEB site	RZ MPU Verified Linux Package [5.1-CIP]	Web site	-	Non limitation
		Software	RZ/G Verified Linux Package(OSS)V3.0.7-update5	ZIP file	-	Non limitation
		Document	Linux Start-Up Guide(for VLP)	Doc	-	Non limitation
		Software	Pre-built Images	ZIP file	-	Non limitation
3-6	Evaluation environment start-up method Multi-OS Package (For VLP)	Document	BSP Manual Set	ZIP file	-	Non limitation
		WEB site	RZ/G Multi-OS Package	Web site	-	Non limitation
		Software	RZ Multi-OS Package V4.0.0	ZIP file	-	Non limitation
		Document	Release Note for RZ Multi-OS Package V4.0.0	Doc	-	Non limitation
		WEB site	RZ Flexible Software Package (FSP)	Web site	-	Non limitation
		Software	RZ FSP Windows Platform Installer	ZIP file	-	Non limitation
		Software	RZ FSP Linux Platform Installer	ZIP file	-	Non limitation
		Document	Renesas RZ/G Flexible Software Package (FSP) Documentation (Web version)	Doc	-	Non limitation
		Document	Getting Started with Flexible Software Package	Doc	-	Non limitation
		3-7	Evaluation environment start-up method Security Package (For VLP)	Document	RZ MPU Security Package (Linux OS)	Doc
Software	RZ MPU Security Package for RZ/G3S v4.2.0.0-update1			ZIP file	SLA*3	Secure Access
Software	RZ MPU Security Package for RZ/G3S v3.2.0.0-update1			ZIP file	SLA*3	Secure Access
3-8	How to get various tools Smart Configurator	WEB site	RZ Smart Configurator	Web site	-	Non limitation
		Tool	Smart Configurator for RZ V2.0.0 installer for Linux	Tool	-	Non limitation
		Tool	Smart Configurator for RZ V2.0.0 installer for Windows	Tool	-	Non limitation
		Tool	Smart Configurator for RZ V2.0.0 installer for macOS	Tool	-	Non limitation
		Document	Smart configurator for RZ User's Guide	Doc	-	Non limitation
		Document	RZ Family DDR Tools Start-up Guide	Doc	-	Non limitation
		Document	RZ Family Install Utility Start-up Guide	Doc	-	Non limitation
		Document	RZ Family Install Utility Start-up Guide	Doc	-	Non limitation

Step-4	Custom board development	Contents Type	Contents Name	RZ/G3S 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 Distl/Sales	-	Please contact Distl/Sales
		Document	Board circuit design checklist	ZIP file	-	Non limitation
		Document	PCB Design Guidelines for High Speed Signal Interfaces	Doc	-	Non limitation
		Document, Tool	PCB Design Guideline for LDDR4, DDR Config Generation Tool	ZIP file	TCU*5	Secure Access
		Document, Model	PCB verification guide for Core VDD, PDN model	ZIP file	-	Non limitation
		Document, Model	PCB verification guide for LDDR4, PKG model	ZIP file	TCU*5	Secure Access
		Design Data	SMARC Module Board Design Data(Schematics,Layout,BOM)	ZIP file	Disclaimer*4	MyRenesas
		Design Data	Carrier Board Design Data(Schematics,Layout,BOM)	ZIP file	Disclaimer*4	MyRenesas
		Model	IBIS	ZIP file	TCU*5	Secure Access
		File	BSDL	ZIP file	Disclaimer*4	MyRenesas
		Document	Guide to Using RGMII in Making an Ethernet-IF Connection	Doc	-	Non limitation
		Document	Power Consumption Measurement	Doc	-	Non limitation
		Document	RZ Series Current Measurement Program(Application Note)	Doc	-	MyRenesas
		Tool	RZ Series Current Measurement Program(Tool)	Tool	Disclaimer*4	MyRenesas
		Document	Reference power consumption guide	Doc	-	Non limitation
		Document	Thermal Management Guideline	Doc	-	Non limitation
		Document	Mechanical Handling Guideline	Doc	-	Non limitation
		Document	Mount Conditions Reflow Soldering Conditions	Doc	-	Non limitation
		Document	Mount Conditions Baking Conditions	Doc	-	Non limitation
		Document	Semiconductor Package Mount Manual	Doc	-	Non limitation
		Document	Lifetime Guideline	Doc	-	Non limitation
		Document	R9A08G045XXGBG Reliability Report	Doc	-	Non limitation
		Device Info	Power Management IC	Web site	-	Non limitation
		Device Info	Clock Generator IC	Web site	-	Non limitation
		Document	RZ Family DRAM List	Doc	-	Non limitation
		Document, Tool	Power calculation sheet and guide	Please contact Distl/Sales	-	Please contact Distl/Sales

*1: Letter of Acknowledgement
*2: End User Licence Agreement
*3: Software Licence Agreement
*4: Disclaimer Letter
*5: Terms and Conditions of Use

[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 (2H2025)

Product	Library Nick Name	Version	Package Name
RZ/G3S	Verified Linux Package	v4.0.1	RZ MPU Verified Linux Package v4.0.1 (RTK0EF0045Z0035AZJ-v4.0.1.zip) (ZIP)
	RZ/G Security Package	v4.2.0.0-update1	RZ MPU Security Package for RZ/G3S v4.2.0.0-update1 (ZIP)
	Verified Linux Package	v3.0.7	RZ/G Verified Linux Package v3.0.7(RTK0EF0045Z0021AZJ-v3.0.7.zip)
		v3.0.7-update2	RZ/G Verified Linux Package v3.0.7-update2(RTK0EF0045Z0021AZJ-v3.0.7-update2.zip)
		v3.0.7-update3	RZ/G Verified Linux Package v3.0.7(RTK0EF0045Z0021AZJ-v3.0.7-update3.zip)
		v3.0.7-update4	RZ/G Verified Linux Package v3.0.7-update4 (RTK0EF0045Z0021AZJ-v3.0.7-update4.zip) (ZIP)
		v3.0.7-update5	RZ/G Verified Linux Package v3.0.7-update5 (RTK0EF0045Z0021AZJ-v3.0.7-update5.zip) (ZIP)
	Open source packages	v3.0.7	Open source packages(oss_pkg_rzg_v3.0.7.7z)
	RZ/G Multi-OS Package	v3.0.0	https://www.renesas.com/en/document/sws/rzg-multi-os-package-v300?r=1522841
	RZ/G FSP Package	v3.1.0	https://www.renesas.com/en/document/sws/rzg-fsp-packs-v310?r=1522841
	RZ/G Security Package	v3.2.0.0	RZ MPU Security Package for RZ/G3S v3.2.0.0 Renesas
		v3.2.0-update1	RZ MPU Security Package for RZ/G3S v3.2.0.0-update1 (ZIP)
	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)	
Open source packages	v3.0.6	Open source packages(oss_pkg_rzg_v3.0.6.7z)	
RZ/G Multi-OS Package	v2.0.2	https://www.renesas.com/ja/document/sws/rzg-multi-os-package-v202?queryID=b0536eb11139f82591fa8ed4e0754f32	
RZ/G FSP Package	v2.0.1	https://github.com/renesas/rzg-fsp/releases/download/v2.0.1/RZG_FSP_Packs_v2.0.1.exe	
RZ/G Security Package	v1.4.3-update2	RZ MPU Security Package for RZ/G v1.4.3-update2 Renesas	
	v1.4.3	RZ MPU Security Package for RZ/G v1.4.3 Renesas	
Board Support Package(BSP)	v1.0.0	RZ/G3S Board Support Package V1.0.0 (RTK0045Z95001ZJ-v1.0.0.zip)(ZIP)	