



RZ/G2H,M,N,E Easy Download Guide

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

Released: May, 2025
EP82-1MB-22-0199-29
Mouseover "L" in "Link"

			RZ/G2H	RZ/G2M	RZ/G2N	RZ/G2E	Note	Access levels	
			Link	Link	Link	Link			
Step-1 Information for engineers									
1-	RZ/G Series 32/64-bit MPU (Wiki)	Link summary	Introduction,Boards,Software and Documentation (English Only)				-	Non limitation	
1-	Contact Support	QA Ticket	Technical Q&A				-	Non limitation	
			RZ/G2H	RZ/G2M	RZ/G2N	RZ/G2E	Note	Access levels	
			Link	Link	Link	Link			
Step-2 Introduction									
2-1	Hardware Information	Document	RZ/G2H,RZ/G2M,RZ/G2N,RZ/G2E Datasheet				-	Non limitation	
2-2	Introduction for products	Document	RZ Family Microprocessors				-	Non limitation	
		Document	RZ/G2 64-BIT MPUs with VERIFIED LINUX PACKAGE				-	Non limitation	
		Document	Partner Board Solutions Allow Immediate Access to Improved HMI Through High Performance 64-Bit MPU (RZ/G2)				-	Non limitation	
		Blog	Link			Link	-	Non limitation	
		Document	RZ Family Product Part Number Guide				-	Non limitation	
			RZ/G2H	RZ/G2M	RZ/G2N	RZ/G2E	Note	Access levels	
			Link	Link	Link	Link			
Step-3 Launch of board and evaluation environment									
3-1	User's Manual	Document	User's Manual: Hardware				-	Non limitation	
		Document	Technical Update	Link	Link	Link	-	Non limitation	
		Document	Additional document for User's Manual(Realtime Core: Cortex-R7)				-	Please contact Dist/Sales	
		Document	Additional document for User's Manual(SDHI)				-	Please contact Dist/Sales	
3-2	How to start up the board	Document	RZ/G2 Reference Board Start-Up Guide				-	Non limitation	
		Document	Reference Board User's Manual				-	Please contact Dist/Sales	
		Document	RZ/G Performance Guide				-	Non limitation	
3-3	Board information / how to get	Info/purchase	Reference Board WEB Page				-	Non limitation	
3-4	Evaluation environment start-up method	Document	RZ/G Verified Linux Package V3.0.7 Release Note				-	Non limitation	
		Document	Reference Boards of RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E Linux Start-up Guide				-	Non limitation	
		Document	HTML5(Gecko102.15_packages V2.1.0) Start-up Guide (for RZ/G Verified Linux Package V3.0.5)				-	Non limitation	
		Document	RZ/G2 Group BSP Manual Set				EULA*2	MyRenesas	
		Document	RZ/G2 Group Linux BSP Porting Guide				-	Non limitation	
		Document	RZ/G2 User's Manual Additional document for Security				SLA*3	MyRenesas	
		Document	RZ Security Solution Overview				-	Non limitation	
		Document	RZ/G Proprietary SW Package Handring				-	Please contact Dist/Sales	
		Software	RZ/G Verified Linux Package [5.10-CIP℥]				-	Non limitation	
3-5	How to get various software	Software	Multimedia Package for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E [5.10-CIP℥]				SLA*3	Evaluation: MyRenesas Unrestricted: Secure Access	
		Software	RZ/G2 Security Package				SLA*3	Secure Access	
		Software	HTML5/Gecko (Linux kernel5.10)				-	Non limitation	
		Tool	Smart Configurator				-	Non limitation	
3-6	How to get various tools	Document	Smart Configurator for RZ User's Guide				-	Non limitation	
			RZ/G2H	RZ/G2M	RZ/G2N	RZ/G2E	Note	Access levels	
			Link	Link	Link	Link			
Step-4 Custom board development									
4-1	Documents and Simulation Models required for custom board design and development	Document	PCB Design and Verification Flow (for DDR-1F)				-	Please contact Dist/Sales	
		Document	Check List for PCB Design(Requires NDA)				NDA	Please contact Dist/Sales	
		Document	PCB Design Guide for DDR memory				-	Please contact Dist/Sales	
		Document	PCB Verification Guide for DDR memory ("IBIS" and "PKG model of DDR-1F" are required for simulation)				-	Please contact Dist/Sales	
		Model	IBIS				-	Please contact Dist/Sales	
		Model	PKG_model_of_DDR-1F				-	Please contact Dist/Sales	
		Document	PCB Verification Guide for Core ("PDN model" is required_for simulation)				-	Please contact Dist/Sales	
		Model	PDN model				-	Please contact Dist/Sales	
		Document	PCB Design Guide for Serial Interface (including the HDMI PCB Design Guide)				-	Please contact Dist/Sales	
		Design Data	Reference Desing Data(Schamtics,Layout,BOM)				Link	Link	
		File	BSDL				-	Please contact Dist/Sales	
		Document	Mechanical Handling Guideline				-	Please contact Dist/Sales	
		Document	Thermal Management Guide				-	Please contact Dist/Sales	
		Document	Reference Power consumption				-	Please contact Dist/Sales	
		Document	RZ/G2H, RZ/G2M AND RZ/G2N COMPATIBILITY GUIDE			-	-	Please contact Dist/Sales	
		Document	Guide to Using RGMII in Making an EthernetAVB-IF Connection(Requires NDA)			-	NDA	Please contact Dist/Sales	
		Document	Guide to Implementing the VSPD and DU(Requires NDA)				NDA	Please contact Dist/Sales	

*1:CSD: Confirmation re: SD Card Host Interface

*2:EULA: End User Liscense Agreement

*3:SLA: Software Liscense Agreement

*4:Disclaimer:Disclaimer Letter

*5:HDMI Disclaimer: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/G2H RZ/G2M RZ/G2N RZ/G2E	Verified Linux Package	v3.0.6	RZ/G Verified Linux Package v3.0.6(RTK0EF004520021AZ)-v3.0.6.zip
		v3.0.6-update1	RZ/G Verified Linux Package v3.0.6-update1(RTK0EF004520021AZ)-v3.0.6-update1.zip
		v3.0.6-update2	RZ/G Verified Linux Package v3.0.6-update2(RTK0EF004520021AZ)-v3.0.6-update2.zip
		v3.0.6-update3	RZ/G Verified Linux Package v3.0.6-update3(RTK0EF004520021AZ)-v3.0.6-update3.zip
	Multimedia Lib.(incl. Graphics Lib. And Video Codec Lib.)	v1.0.2	RZ MPU Multimedia Package v1.0.2 Unrestricted Version for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E(RTK0EF004520023AZ)-v1.0.2_xx.zip
	Verified Linux Package	v3.0.5	RZ/G Verified Linux Package v3.0.5 (RTK0EF004520021AZ)-v3.0.5.zip
		v3.0.5-update1	RZ/G Verified Linux Package v3.0.5-update1(RTK0EF004520021AZ)-v3.0.5-update1.zip
		v3.0.5-update3	RZ/G Verified Linux Package v3.0.5-update3(RTK0EF004520021AZ)-v3.0.5-update3.zip
	Multimedia Lib.(incl. Graphics Lib. And Video Codec Lib.)	v1.0.2	RZ MPU Multimedia Package v1.0.2 Unrestricted Version for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E(RTK0EF004520023AZ)-v1.0.2_xx.zip
	Verified Linux Package	v3.0.3	RZ/G Verified Linux Package v3.0.3 (RTK0EF004520021AZ)-v3.0.3.zip
	Multimedia Lib.(incl. Graphics Lib. And Video Codec Lib.)	v1.0.2	RZ MPU Multimedia Package v1.0.2 Unrestricted Version for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E(RTK0EF004520023AZ)-v1.0.2_xx.zip
	Verified Linux Package	v3.0.1	RZ/G Verified Linux Package v3.0.1 (RTK0EF004520021AZ)-v3.0.1.zip
	Multimedia Lib.(incl. Graphics Lib. And Video Codec Lib.)	v1.0.1	RZ MPU Multimedia Package v1.0.1 Unrestricted Version for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E(RTK0EF004520023AZ)-v1.0.1_xx.zip
	Verified Linux Package	v3.0.0	RZ/G Verified Linux Package v3.0.0 (RTK0EF004520021AZ)-v3.0.0.zip
	Multimedia Lib.(incl. Graphics Lib. And Video Codec Lib.)	v1.0	RZ MPU Multimedia Package v1.0 Unrestricted Version for RZ/G2H, RZ/G2M, RZ/G2N, and RZ/G2E(RTK0EF004520023AZ)-v1.0_xx.zip

4.19-CIP

Product	Librally Nick Name	Version	Package Name
RZ/G2H RZ/G2M RZ/G2N RZ/G2E	Verified Linux Package	v1.0.20 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.20 (RTK0EF004520011AZ)-v1.0.20.zip
		v1.0.20 pro	Yocto package for RZ/G2 Verified Linux Package (4.19-CIP) v1.0.20 Product Version(RTK0EF004520012AZ) VLP64v1020_xx.zip
	HTM5 Lib.	Gecko78	Yocto recipe packages for HTM5(Gecko78) VLP64 v1.0.20 (rzs2_bsp_gecko78_v1020.tar.gz)
		Gecko68	Yocto recipe packages for HTM5(Gecko68) VLP64 v1.0.20 (rzs2_bsp_gecko68_v1020.tar.gz)
	Verified Linux Package	v1.0.19-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.19-RT (RTK0EF004520011AZ)-v1.0.19-rt.zip Renesas
		v1.0.19-RT pro	Yocto package for RZ/G2 Verified Linux Package (4.19-CIP) v1.0.19-RT Product Version(RTK0EF004520012AZ) VLP64v1019t_1P.zip
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1019-rt-rzs2bspgecko78v1019rttar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1019-rt-rzs2bspgecko68v1019rttar.gz
	Verified Linux Package	v1.0.18 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.18 (RTK0EF004520011AZ)-v1.0.18.zip Renesas
		v1.0.18 pro	Yocto package for RZ/G2 Verified Linux Package (4.19-CIP) v1.0.18 Product Version(RTK0EF004520012AZ) VLP64v1018_1P.zip Renesas
	HTM5 Lib.	v1.0.18-update1 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.18-update1 (RTK0EF004520011AZ)-v1.0.18-update1.zip
		Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1018-rzs2bspgecko78v1018tar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1018-rzs2bspgecko68v1018tar.gz
	Verified Linux Package	v1.0.17-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.17-RT (RTK0EF004520011AZ)-v1.0.17-rt.zip Renesas
		v1.0.17-RT pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1017-rt-rzs2bspgecko78v1017rttar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1017-rt-rzs2bspgecko68v1017rttar.gz
	Verified Linux Package	v1.0.16 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.16 (RTK0EF004520011AZ)-v1.0.16.zip Renesas
		v1.0.16 pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1016-rzs2bspgecko78v1016tar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1016-rzs2bspgecko68v1016tar.gz
	Verified Linux Package	v1.0.15-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.15-RT (RTK0EF004520011AZ)-v1.0.15-rt.zip Renesas
		v1.0.15-RT pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1015-rt-rzs2bspgecko78v1015rttar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1015-rt-rzs2bspgecko68v1015rttar.gz
	Verified Linux Package	v1.0.14 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.14 (RTK0EF004520011AZ)-v1.0.14.zip Renesas
		v1.0.14 pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1014-rzs2bspgecko78v1014tar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1014-rzs2bspgecko68v1014tar.gz
	Verified Linux Package	v1.0.13-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.13-RT (RTK0EF004520011AZ)-v1.0.13-rt.zip Renesas
		v1.0.13-RT pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1013-rt-rzs2bspgecko78v1013rttar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1013-rt-rzs2bspgecko68v1013rttar.gz
	Verified Linux Package	v1.0.12 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.12 (RTK0EF004520011AZ)-v1.0.12.zip Renesas
		v1.0.12 pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1012-rzs2bspgecko78v1012tar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1012-rzs2bspgecko68v1012tar.gz
	Verified Linux Package	v1.0.11-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.11-RT (RTK0EF004520011AZ)-v1.0.11-rt.zip Renesas
		v1.0.11-RT pro	*Please contact Renesas sales if necessary.
	HTM5 Lib.	Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1011-rt-rzs2bspgecko78v1011rttar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1011-rt-rzs2bspgecko68v1011rttar.gz
	Verified Linux Package	v1.0.10 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.10 (RTK0EF004520011AZ)-v1.0.10.zip Renesas
		v1.0.10-update1 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.10-update1 (RTK0EF004520011AZ)-v1.0.10update1.zip Renesas
	HTM5 Lib.	v1.0.10 pro	*Please contact Renesas sales if necessary.
		Gecko78	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v1010-rzs2bspgecko78v1010tar.gz
		Gecko68	https://www.renesas.com/ip/ia/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v1010-rzs2bspgecko68v1010tar.gz
	Verified Linux Package	v1.0.9-RT eva	RZ/G Verified Linux Package for 64bit kernel V1.0.9-RT (RTK0EF004520011AZ)-v1.0.9-rt.zip Renesas
		v1.0.9-RT-update1 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.9-RT-update1 (RTK0EF004520011AZ)-v1.0.9rtupdate1.zip Renesas
	HTM5 Lib.	v1.0.9-RT pro	*Please contact Renesas sales if necessary.
		Gecko78	https://www.renesas.com/us/en/document/swe/yocto-recipe-packages-htm5gecko78-vlp64-v109-rt-rzs2bspgecko78v109rttar.gz
		Gecko68	https://www.renesas.com/us/en/document/swe/yocto-recipe-packages-htm5gecko68-vlp64-v109-rt-rzs2bspgecko68v109rttar.gz
	Verified Linux Package	v1.0.8 eva	RZ/G Verified Linux Package for 64bit kernel V1.0.8 (RTK0EF00452