

RZ/V2L Easy Download Guide

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/V2L Link
1	User's Manual	Document	User's Manual: Hardware	Link
2	How to start up the board	Document Document Document	SMARC Module Board User's Manual SMARC Carrier Board User's Manual Evaluation Kit(EVK) Start Up Guide	Link Link Link
3	Board information / how to get	Info/purchase	Evaluation Kit WEB Page	Link
4	Evaluation environment start-up method (Linux-OS for Cortex-A55)	information Document Document Document Document	Renesas AI SDK WEB Page Release Note for RZ/V Verified Linux Package RZ/V Verified Linux Package Component List Linux BSP Manual Set GStreamer User's Manual	Link Link Link Link Link
5	How to get various software (Linux-OS for Cortex-A55)	Software Software Software Software Software Software Software	RZ/V Verified Linux Package [5.10-CIP] RZ/V2L DRP-AI Support Package RZ/V2L ISP Support Package Graphics Library Codec Library RZ/V2L DRP-AI USB Camera HTTP Demo SD Image version RZ/V2L DRP-AI USB Camera HTTP Demo Pre-build version	Link Link Link Link Link Link Link
6	Evaluation environment start-up method (RTOS for Cortex-M33)	Document Document Document Document Document	Release Note for Multi-OS Package Getting Started with Flexible Software Package Setting GPIO with Flexible Software Package FSP Documentation Release Note for Flexible Software Package	Link Link Link Link Link
7	How to get various software (RTOS for Cortex-M33)	Software	CM33 Multi-OS Package	Link
8	How to get various tools	Tool Tool Tool Tool	DRP-AI TVM DRP-AI Translator e ² studio 2023-10 installer Smart Configurator	Link Link Link Link
9	How to launch various tools	Document Document Document	Release Note for DRP-AI Translator Release Note for e ² studio Smart Configurator for RZ User's Guide	Link Link Link

Step	Custom board development	Contents Type	Contents Name	RZ/V2L Link
	PCB design checklist when designing a custom board	Document	Check List for PCB Design	Link
	PCB Design Guide for High Speed Serial Interfaces	Document	PCB Design Guidelines for MIPI-CSI, MIPI-DSI and USB2.0	Link
	PCB Design Guide for DDR memory	Document	PCB design guideline for DDR4/DDR3L	Link
	PCB Verification Guide for Core	Document,Model	PCB verification guide for Core VDD	Link
	PCB Verification Guide for DDR memory	Document,Model	PCB Verification Guide for DDR4/DDR3L	Link
	Reference Desing Data(Schamtics,Layout,BOM)	Design Data	RZ/V2L SMARC Module Board Design Data	Link
	IBIS(For LSI)	Model	RZ/V2L IBIS	Link
	Boundary Scan Description Language file	File	RZ/V2L BSDL	Link
	Power Delivery Network model	Model	RZ/V2L PDN Model	Link
	Mecanical Handling Guideline	Document	Mechanical Handling Guideline	Link
	Thermal Management Guide	Document	Thermal Management Guide	Link
	Reference Power consumption	Document	RZ/V2L Reference power consumption guide(typ.)	Link
	Reflow Soldering conditions	Document	Mount Conditions Reflow Soldering Conditions	Link
	Baking conditions	Document	Mount Conditions Baking Conditions	Link
	Lifetime estimation guide	Document	Lifetime Guideline	Link
	Power Management IC installed in EVK	Device Info	Power Management IC	Link
	Clock Generator IC installed in EVK	Device Info	Clock Generator IC	Link

Step	Information for engineers	Contents Type	Contents Name	RZ/V2L Link
	RZ/V Series 64-bit MPU (Renesas info)	Link summary	Introduction,Boards,Software and Documentation	Link
	FAQ	Link summary	Knowledgebase / FAQ	Link
	Contact Support	QA Ticket	Technical Q&A	Link

Step	Information for engineers	Contents Type	Contents Name	RZ/V2L Link
	Pre-Trained Free AI App Library	Link to GitHub	Free, open source-based library of pre-trained AI applications	Link

[Supplementary information] Renesas recommends using latest Verified Linux Package (Linux Kernel v5.10).

Step	Information for engineers	Contents Type	Contents Name	RZ/V2L Link
	Old Version Software & Tools			
		Software	RZ/V Verified Linux Package 3.0.0 update2	Link
		Software	Open Source Software Package for VLP 3.0.0	Link
		Software	RZ/V Verified Linux Package 3.0.2	Link
		Software	Open Source Software Package for VLP 3.0.2	Link
		Software	RZ/V2L DRP-AI Support Package v7.20	Link
		Software	RZ/V2L DRP-AI Support Package v7.30	Link
		Software	RZ/V2L ISP Support Package v1.20	Link
		Software	RZ/V2L ISP Support Package v1.21	Link
		Software	Graphics Library v1.4	Link
		Software	Codec Library v0.58	Link
		Software	Codec Library v1.01	Link
		Software	CM33 Multi-OS Package v1.02	Link
		Software	CM33 Multi-OS Package v1.10	Link
		Tool	DRP-AI Translatorv1.82	Link
		Tool	DRP-AI Translatorv1.80	Link
		Tool	Smart Configurator V1.14.0	Link