

RZ/V2L Easy Download Guide

No	Item	Type	File name	Link	Date	
1	Product document					
	Datasheet	Document	r01ds0485ej0110-rzv2l.pdf	Link	2025.6	
	User's manual	Document	r01uh0936ej0150-rzv2l.pdf	Link	2025.5	
2	Evaluation Board					
	Evaluation Board Kit (Non Secure Type)	Hardware	RTK9754L23S01000BE	Link	2023	
	Evaluation Board Kit (Secure Type)	Hardware	RTK9754L27S01000BE	Link	2023	
	SMARC module board user's manual	Document	r01uh0964ej0130-rzg2l-RTK9744L23C01000BE.pdf	Link	2025.11	
	SMARC Carrier board user's manual	Document	r01uh0966ej0130-rz-RTK9744L23C01000BE.zip	Link	2025.11	
	Evaluation Board Kit start up guide	Document	r01us0617ej0105-rz-v(Linux+Start-up+Guide+RZV2L).pdf	Link	2025.6	
	Partner camera module list	Document	r01an7707ej0204-camera-module.pdf	Link	2025.12	
3	AI SDK : Linux for Cortex-A55					
	Renesas AI SDK Web page	GitHub	-	Link	2026.3	
	AI SDK					
	--- Release note	Document	--- Release Note (r11an0752ej0700-rzv2l-ai-sdk.pdf)	Link	2026.3	
	--- AI SDK start up folder		--- ai_sdk_setup			
	--- Docker file for AI SDK install	Tool	--- Dockerfile			
	--- Application cross compiler installer	Tool	--- rz-vlp-glibc-x86_64-core-image-weston-cortexa55-smarc-rzv2l-toolchain-5.0.11.sh			
	--- DRP-AI translator installer	Tool	--- DRP-AI_Translator-v1.90-Linux-x86_64-Install			
	--- Board set up folder		--- board_setup			
	--- For eSD		--- eSD.zip			
	--- .wic file's Block MAP file	Data file	--- core-image-weston-smarc-rzv2l.rootfs.wic.bmap			
	--- SD card image file : Bootloader, Linux Kernel Image (Boot program), Linux Root Filesystem, Linux Device Tree File (Configuration file for booting)	Software	--- core-image-weston-smarc-rzv2l.rootfs.wic			
	--- SD card image file (compressed file)	Software	--- core-image-weston-smarc-rzv2l.rootfs.wic.gz			
	--- For QSPI		--- QSPI.zip			
	--- Bootloader for QSPI	Software	--- bootloader			
	--- .wic file's Block MAP file	Data file	--- core-image-weston-smarc-rzv2l.rootfs.wic.bmap			
	--- SD card image file : Linux Kernel Image (Boot program), Linux Root Filesystem, Linux Device Tree File (Configuration file for booting)	Software	--- core-image-weston-smarc-rzv2l.rootfs.wic.gz			
	--- References		--- references			
	--- Manifest file containing software component Information	Data file	--- core-image-weston-smarc-rzv2l.rootfs.manifest			
	--- Linux license information	Data file	--- linux_licenses.zip			
	--- Document		--- documents			
	--- DRP-AI driver user's manual	Document	--- r01us0595ej0201-rzv-linux-drpai.pdf			
	--- DRP-AI translator user's manual	Document	--- r20ut5010ej0290-drp-ai-translator.pdf			
--- Linux license list	Document	--- r11an0752ej0700-rzv2l-ai-sdk(Linux License List).pdf				
AI SDK Sauce code						
--- Yocto Linux recipe	Software	RTK0EF0160F07000SJ_linux-src.zip	Link			2026.3
--- Open sauce	Software	--- rzv2l_ai-sdk_yocto_recipe_v7.00.tar.gz				
--- README	Document	--- oss_pkg_rzv_v7.00.7z				
RTOS for Cortex-M33						
Multi-OS Package						
--- Release note	Document	r01an8260ej0400-rz-multi-os-pkg.zip	Link	2026.3		
--- Start up guide	Document	--- r01an7254ej0xx0-rzv-multi-os-pkg.pdf				
--- RTOS software	Software	--- r01qs0076ej0xx0-rzv2l-multi-os-pkg.pdf				
--- Inter-Processor communication (IPC) project file for Linux (CA55) + RTOS (CM33)	Software	--- meta-rz-features_multi-os_v4.0.0.tar.gz				
--- Inter-Processor Communication (IPC) Sample Software for Linux (CA55) + RTOS (CM33)	Software	--- rz-rpmsg-examples				
Flexible Software Package (FSP) (e2 studio IDE, Toolchain, FSP)						
[Windows]FSP platform installer	Tool	setup_rzfsp_v4_1_0_e2s_v2025-12.exe	Link	2026.5		
[Linux]FSP platform installer	Tool	setup_rzfsp_v4_1_0_e2s_v2025-12.xz.run	Link	2026.5		
Set up guide	Document	r01an6240ej0410-rzv-fsp-getting-started.pdf	Link	2026.5		
5	Security					
	Security Package					
	--- Release note	Document	RTK0EF0121Z00000ZJ-03-ai-sdk-v4.2.0.0	Link	2026.3	
	--- Security user's manual	Document	--- r11ut0128ej0100-rzv2l-release-note.pdf			
	--- Security set up guide	Document	--- r11an1002ej0102-rzg2l-rzv2l-security-users-manual.pdf			
	--- Security recipe for Linux	Software	--- r11an1092ej0100-rzv2l-security-startup-guide.pdf			
	--- Security configuration tool	Tool	--- meta-rz-features_security.tar.gz			
	--- Manifest generation tool script, Certificate verification script	Tool	--- security_configurator.tar.gz			
--- User factory programming key sample	Tool	--- manifest_generation_tool.tar.gz				
--- User factory programming key sample	Software	--- sample_key				

No	Item	Type	File name	Link	Date
6	Board design material and Data				
	PCB design check list		r01an6021ej0220-pcb-design-checklist.zip		
	--- check list	Document	--- checking list_v2.20.xlsx	Link	2025.7
	--- PCB design check list application note	Document	--- r01an6021ej0220-pcb-design-checklist.pdf		
	DDR4 / DDR3L PCB verification guide		r01uh0970ej0120-rzmpu-PCB-VerificationGuide-for-DDR4-DDR3L-rzv2l.zip		
	--- DDR4 / DDR3L PCB verification guideline	Document	--- r01uh0970ej0120-rzmpu_DDR_PCB_verification_guide.pdf	Link	2025.5
	--- DDR signal's PKG delay information	Document	--- RZV2L_PKG_Delay_for_DDR_Signal_rev1.1.xlsx		
	--- S parameter data	Design data	--- PKG		
	--- IBIS data	Design data	--- IBIS		
	PCB Design Guideline for DDR4/DDR3L	Document	r01uh0971ej0110-rzmpu-PCB-DesignGuideline-for-DDR4-DDR3L.pdf	Link	2023.3
	DDRTOP Application Note (DDR Config Generation Tool)		r01an8295ej0100-rzv2l-ddrtop-apn.zip		
	--- DDRTOP Application Note	Document	--- r01an8295ej0100-rzv2l-ddrtop-apn.pdf	Link	2026.4
	--- DDR configuration generate tool v1.13.1	Tool	--- RZ-V2L_DDR_config_generation_tool_v1.13.1.xlsm		
	--- DDR_config_generation_tool_v1.16.0	Tool	--- RZ-V2L_DDR_config_generation_tool_v1.16.0.xlsm		
	Boundary Scan Description Language file	Design data	RZV2L_BSDL_V1.00.zip	Link	2024.3
	PCB Design Guide for High Speed Serial Interfaces	Document	r01an5871ej0110-PCB-Design-Guidelines-for-MIPI-CSI-MIPI-DSI-USB2-0-PCI-Express.pdf	Link	2023.11
	Lifetime estimation guide	Document	r01an5872ej0105-LifeTimeGuideLine.pdf	Link	2025.10
Thermal management guide	Document	Thermal Management Guide	Link	2021.11	
Mecanical handling guideline	Document	Mechanical Handling Guideline	Link	2025.3	
Reflow soldering conditions	Document	r01an6109ej0120-rzmpu-ReflowSolderingConditions.pdf	Link	2025.3	
Baking conditions	Document	r01an6110ej0105-rzmpu-BakingConditions.pdf	Link	2025.3	
Reference Power Consumption Information	Document	r01an6183ej0100-RZV2L_Reference_Power.pdf	Link	2021.11	
Power management IC (RAA215300)	Device info	Power Management IC	Link	-	
Clock generator IC (5P35023)	Device info	Clock Generator IC	Link	-	
No	Item	Type	File name	Link	Date
7	Support				
	RZ/V Series 64-bit MPU (Renesas Wiki)	Web site	Introduction,Boards,Software and Documentation	Link	-
	FAQ	Web site	Knowledgebase / FAQ	Link	-
	Contact Support	QA Ticket	Technical Q&A	Link	-