

RZ/V2N Handbook

Step	Launch of board and evaluation environment	Contents Type	Contents Name	RZ/V2N Link
0	Product introduction	Document	RZ Family Brochure	Link
		Document	RZ/V2N White Paper	Link
		Document	RZ/V2N Group Flyer	Link
		Document	RZ/V2N Group Datasheet	Link
1	User's Manual	Document	User's Manual: Hardware	Link
		Document	[NDA]User's Manual: Hardware (Additional document) *Information about DDR PHY, GbitEther, USB3/USB2 PHY, and Audio has been added.	Link
2	How to start up the board	Document	RZ/V2N Evaluation Board Kit (Secure type) Hardware Manual	Link
		Board	RZ/V2N Evaluation Board Kit	Link
		Camera module	e-CAM22_CURZH (IMX462@Full HD Sensor, with ISP)	Link
3	Evaluation environment start-up (AI SDK)	Information	Renesas AI SDK Web Page	Link
		Document	AI SDK Release Note	Link
		Compressed file	AI SDK V5.00 (RTK0EF0189F05000SJ.zip)	Link
		--- Document	--- Release Note	
		--- Software	--- Pre-Build for eSD(Bootloader, Linux Kernel image, Device Tree, Filesystem)	
		--- Software	--- Application cross compiler installer	
		--- Software	--- Dockerfile (Dockerfile for installing AI SDK)	
		--- Tool	--- DRP-AI Translator i8 installer	
		--- Document	--- DRP-AI Translator User's Manual	
		--- Document	--- DRP-AI Quantizer User's Manual	
		--- Document	--- Component List	
		--- Document	--- Linux License List	
4		Compressed file	AI SDK Sauce code (RTK0EF0189F05000SJ_linux-src.zip)	Link
		--- Software	--- Yocto recipe package	
		--- Document	--- Readme	
5	Linux Manual Set	Document	BSP Manual Set (RTK0EF0045Z94001AZJ-v1.0.2.zip)	Link
		Document	Linux Interface Specification Gstreamer User's Manual: Software	Link
6	Evaluation environment start-up method (RTOS for Cortex-M33)	Information	RZ/V Multi-OS Package Web Page	Link
		--- Document	--- Cortex-A55 cold boot support (1.8GHz)	Link
		--- Document	--- Cortex-M33 cold boot support	Link
		--- Document	--- Power Management AWO (Always On)	Link
		--- Document	--- Interprocessor communication (OpenAMP)	Link
		Compressed file	Multi-OS Package (r01an7254ej0300_rzv-multi-os-pkg.zip)	Link
		Software & Tool	Flexible Software Package (RZV_FSP_Packs_v3.1.0.exe)	Link
		Document	Release Note for Flexible Software Package	Link
		Document	Getting Started with Flexible Software Package	Link

Step	Custom board development	Contents Type	Contents Name	RZ/V2N Link
7	ISP Support Package	Information	RZ/V2N ISP Support Package Web Page	Link
		Document	[NDA]Release Note	Link
		Compressed file	[NDA]ISP Support Package IMX415 Dual (r01an7709ej0100-rzv2n-isp-sp.zip)	Link
		--- Software	--- SW	
		--- Software	--- meta-rz-features-ISP	
		--- Software	--- sample-app-v1.1.1.tar.gz	
		--- Software	--- meta-rz-features_isp_R1.0.0.tar.gz	
		--- Software	--- single-sensor.patch	
			--- ARM_tool	
		--- Tool	--- control_tool	
		--- Tool	--- calibration_tool	
			--- Doc	
		--- Document	--- 01_ARM	
--- Document	--- 02_SW			
--- Document	--- 03_Hardware			
--- Document	--- 04_Sensor_Board			
8	Security Package for Linux OS	Document	Security Solution Overview	Link
		Compressed file	[NDA]Security Package (RZV2N_SECURITY_PACKAGE_v1.0.0.zip)	Link
		--- Software	--- rz_security.tar.gz	
		--- Document	--- r11ut0110ej0100-rz-v2n(Release Note).pdf	
		--- Document	--- r11an0887ej0130-rz(Security StartUp Guide RZV2H,N).pdf	
		--- Document	--- r11an0886ej0110-rz(Security User's Manual RZV2H,N).pdf	
9	How to launch various tools	Tool	DRP-AI TVM	Link
		Tool	DRP-AI Translator i8	Link
		Document	DRP-AI Translator i8 Release Note	Link
		Tool	DRP-AI Extension Pack (Pruning Tool) Version 1.1.0	Link
		Document	DRP-AI Extension Pack (Pruning Tool) User's Manual	Link
		Tool	e2 studio 2024-01.1 installer for Windows	Link
		Tool	e2 studio 2024-01.1 Linux Host	Link
		Document	Release Note for e2 studio	Link
		Tool	Smart Configurator	Link
		Document	Smart Configurator for RZ V1.19.0 Release Note	Link

Step	Custom board development	Contents Type	Contents Name	Link
	LPDDR4/4X Controller Configuration	Compressed file --- Document --- Document --- Tool	[NDA]DDRTOP Application Note Overview Application Note LPDDR4/4X Controller Configuration Guide Gen_tool (Setting parameter generation tool)	Link
	PCB Design Guide	Document	[NDA]PCB Design Guidelines	Link
	Thermal Design Guide	Document	Thermal Design Guide	Link
	Lifetime estimation guide	Document	Lifetime Guideline	Link
	LSI Design Model (IBIS)	Model	[NDA]LSI IBIS	Link
	Interface Design Model (Spara, IBIS)	Compressed file --- Folder --- Folder --- Model --- Model --- Model --- Folder --- Document --- Document --- Document --- Folder --- Model --- Model --- Folder --- Document --- Document --- Folder --- Model --- Model --- Folder --- Document --- Folder --- Model --- Model --- Folder --- Document --- Folder --- Model --- Model --- Model --- Folder --- Document	[NDA]Design Model (Spara, IBIS) Signal_Integrity --- USB --- USB3_IBIS --- USB2_IBIS --- PKG_s-parameter --- Document --- USB_Signal_model_port_diagram.pdf --- IBIS AMI Model Manual.pdf --- README.txt --- PCI --- IBIS --- PKG_s-parameter --- Document --- PCIe_Signal_model_port_diagram.pdf --- IBIS Release Note.pdf --- MIPI_DSI --- IBIS --- PKG_s-parameter --- Document --- MIPI_TX_Signal_model_port_diagram.pdf --- MIPI_CSI2 --- IBIS --- PKG_s-parameter --- Document --- MIPI_RX_Signal_model_port_diagram.pdf --- LPDDR --- LPDDR4_IBIS --- LPDDR4x_IBIS --- PKG_s-parameter --- Document --- pcb-verification-guide-lpddr4-4x.pdf	Link
	Reference Desing Data	Compressed file --- Design Data --- Design Data --- Design Data --- Design Data --- Design Data	CPU Board Design Data --- Schamtics --- BOM List --- Circuit Data (.DSN) --- Layout Data (.brd) --- Gerber Data	Link
	Reference Desing Data	Compressed file --- Design Data --- Design Data --- Design Data --- Design Data --- Design Data	EXP Board Design Data --- Schamtics --- BOM List --- Circuit Data (.DSN) --- Layout Data (.brd) --- Gerber Data	Link
	Reference Desing Data	Compressed file --- Design Data --- Design Data --- Design Data --- Design Data --- Design Data	SUB Board Design Data --- Schamtics --- BOM List --- Circuit Data (.DSN) --- Layout Data (.brd) --- Gerber Data	Link
Step	Information for engineers	Contents Type	Contents Name	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