

RZ/N2H Easy Download Guide

Released: 2025/12/18
EPMAP-AZ-25-0001-2

Step	Product information	Contents Type	Contents name	Link	Video
1	Data Sheet	Document	RZ/T2H and RZ/N2H Groups Datasheet	Link	
	User's Manual	Document	RZ/T2H and RZ/N2H Groups User's Manual: Hardware	Link	
		Document	RZ Family Product Part Number Guide	Link	

Step	Launch of board and evaluation environment	Contents Type	Contents name	Link	Video
1	Board Information/ how to get	Info/Purchase	RZ/N2H Evaluation Board Kit WEB page	Link	
2	How to start up the board				
		Document	RZ/N2H Evaluation Board Kit Quick Start Guide	Link	
		Document	RZ/N2H Evaluation Board Kit User's Manual	Link	
		Document	RZ/T2, RZ/N2 Group Quick Start Guide: Firmware Update Application Note	Link	
		Document	RZ/T2, RZ/N2 How to Use Mbed TLS Application Note	Link	
		Document	RZ/T2, RZ/N2 Quick Start Guide: Firmware Update	Link	
		Document	Mitigation Software for DDR Memory Controller issue (FSP)	Link	
		Video	RZ/T RZ/N FSP Tutorial -Pin Configuration Funtion		Link
3	How to start up the board				
		Document	RZ/T2, RZ/N2 Getting Started with Flexible Software Package	Link	
		exe file	Installer of e ² studio and RZ/N2 FSP	Link	Link
		Tool Info/Get	J-Link	Link	
		Tool Info/Get	IAR Embedded Workbench for Arm(ver.9.60.2 or later)	Link	
		Tool Info/Get	I-jet	Link	
		exe file	Installer of RZ/T2 FSP SC and FSP (for IAR Embedded Workbench)	Link	Link
		Zip File	RZ/N2 FSP Packs	Link	
		Zip File	EWARM Patch File for RZ/T2H and RZ/N2H	Link	
		Tool Info/Get	GitHub : renesas/rzt-fsp	Link	
		Video	RZ/T2H RZ/N2H Quick Start Guide: Linux and FSP		Link
		Sample Program	RZ/N2H Example program → For detail, see next page	Link	
		Sample Program	RZ/N2H Group Security Solution Package	Link	
		Sample Program	RZ/T2, RZ/N2 Group Device Setup Guide for Flash Boot Sample Program	Link	
		Sample Program	RZ/T2, RZ/N2 Group Quick Start Guide: Firmware Update	Link	
4	How to get various software	Sample Program	RZ/T2, RZ/N2 How to Use Mbed TLS	Link	
		Sample Program	RZ/N2H Group ENCOUTSample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F A-format Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F Biss-C Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F EnDat Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F HIPERFACE DSL Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F HIPERFACE DSL Safty Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F SSI Sample Program	Link	
		Sample Program	RZ/N2H Group Endoder I/F FA-CODER Sample Program	Link	
		Sample Program	RZ/N2Hグループ Dual Encoder sample program	Link	
		Sample Program	RZ/N2H Group EtherCAT Sample Program	Link	
		Sample Program	RZ/N2H Group Modbus Sample Program	Link	
		Sample Program	RZ/N2H Group EtherNet/IP OpENer Sample Program	Link	
		Sample Program	RZ/N2H Group lwIP Protocol Stack Sample Program Package	Link	

Step	Linux environment	Contents Type	Contents name	Link	Video
Set up Linux environment					
1-1	RZ/T2H and RZ/N2H Linux Software Package [V5.10-CIP]	WEB	Linux software packages for RZ/T2H and RZ/N2H Groups.	Link	
1-2	RZ/T and RZ/N Multi-OS Package	WEB	The RZ/T Multi-OS Package Package and RZ/N Multi-OS Package are software packages for developing multi-OS solutions	Link	
1-3	RZ MPU Security Package (Linux OS)	WEB	Security Package for RZ MPU, to be used with Linux Package for N2H	Link	

Step	Custom board development	Contents Type	Contents name	Link	Video
	Design Guide	Document	RZ/T2H, RZ/N2H Group Hardware Design Guide	Link	
		Document	[NDA Required] DDR Design Contents for RZ/N2H	Link	
	IBIS (for LSI)	IBIS	RZ/N2H 576pin IBIS	Link	
		IBIS	RZ/N2H PCIe IBIS	Link	
		IBIS	[NDA Required] RZ/N2H USB IBIS	Link	
	Boundary Scan Description Language	BSDL	RZ/N2H (R9A09G087GBG) BSDL	Link	
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	Link	
	Reliability Report	Document	R9A09G087MXXGBG Reliability Report	Link	

RZ/N2H Example program 詳細内容

カテゴリ	アイテム	モジュール名	ファイル名	ビデオ
Event Link	Event Link Controller	r_elc	RZN2H_EVB_elc_Rev300.zip	
System	Clock Generation Circuit	r_cgc	RZN2H_EVB_cgc_Rev300.zip	
	Cyclic Redundancy Check(CRC) Calculator	r_crc	RZN2H_EVB_crc_Rev300.zip	
	Data Operation Circuit	r_doc	RZN2H_EVB_doc_Rev300.zip	
	MCU Board Support Package		RZN2H_EVB_tfu_Rev300.zip	
	Temperature Sensor Unit	r_tsu	RZN2H_EVB_tsu_Rev300.zip	
Timer, Peripheral Function	Analog to Digital Converter	r_adc	RZN2H_EVB_adc_Rev300.zip	
	I/O Ports	r_ioport	RZN2H_EVB_bsp_Rev300.zip	
	Multi Core		RZN2H_EVB_bsp_multi_Rev300.zip	
	Compare Match Timer	r_cmt	RZN2H_EVB_cmt_Rev300.zip	
	Compare Match Timer W	r_cmtw	RZN2H_EVB_cmtw_Rev300.zip	
	Delta-sigma interface, General PWM Timer, Port Output Enable for GPT	r_dsmif r_gpt r_poeg	RZN2H_EVB_dsmif_gpt_poeg_Rev300.zip	
	General PWM Timer, General PWM Timer phase count Motor Control Driver	r_gpt r_gpt_phase_count	RZN2H_EVB_gpt_phase_count_Rev300.zip	
	Multi-Function Timer Pulse Unit 3 phase count Motor Control Driver	r_mtu3_phase_count	RZN2H_EVB_mtu3_phase_count_Rev300.zip	
	Multi-Function Timer Pulse Unit 3, Multi-Function Timer Pulse Unit 3 Three-Phase Motor Control Driver, Port Output Enable 3	r_mtu3 r_mtu3_three_phase r_poe3	RZN2H_EVB_mtu3_poe3_Rev300.zip	
	Multi-Function Timer Pulse Unit 3	r_mtu3	RZN2H_EVB_mtu3_Rev300.zip	
	Real Time Clock	r_rtc	RZN2H_EVB_rtc_Rev300.zip	
Direct Memory Access	Direct Memory Access Controller	r_dmac	RZN2H_EVB_dmac_Rev300.zip	
Communic ation Interface	Controller Area Network Flexible Data	r_canfd	RZN2H_EVB_canfd_Rev300.zip	
	Ethernet, Ethernet PHY, Ethernet SWITCH, Ethernet SELECTOR	r_ether r_ether_phy r_ether_switch r_ether_selector	RZN2H_EVB_Ethernet_Rev300.zip	
	Expanded Serial Peripheral Interface (xSPI) HyperBus	r_xspi_hyper	RZN2H_EVB_HyperRAM_Rev300.zip	
	IIC Master on IIC	r_iic_master	RZN2H_EVB_iic_master_Rev300.zip	
	IIC Master on IIC with DMAC	r_iic_master	RZN2H_EVB_iic_master_dmac_Rev300.zip	
	IIC Slave on IIC	r_iic_slave	RZN2H_EVB_iic_slave_Rev300.zip	
	PCI Express 3.0 Interface	r_pcie_ep r_pcie_rc	RZN2H_EVB_pcie_Rev300.zip	
	IIC Master on IIC	r_iic_master	RZN2H_EVB_sci_iic_master_Rev300.zip	
	IIC Slave on IIC	r_iic_slave	RZN2H_EVB_iic_slave_Rev300.zip	
	Serial Communications Interface (SCI) UART	r_sci_uart	RZN2H_EVB_sci_uart_Rev300.zip	
	Serial Communications Interface (SCI) UART with DMAC	r_sci_uart	RZN2H_EVB_sci_uart_dmac_Rev300.zip	
	SD/MMC	r_sdhi	RZN2H_EVB_sdhi_emmc_Rev300.zip	
	SD/MMC	r_sdhi	RZN2H_EVB_sdhi_sd_Rev300.zip	
	Serial Peripheral Interface	r_spi	RZN2H_EVB_spi_Rev300.zip	
	Serial Peripheral Interface with DMAC		RZN2H_EVB_spi_dmac_Rev300.zip	
	USB Host Communications Device Class Driver	r_usb_hcdc	RZN2H_EVB_usb_hcdc_Rev300.zip	
	USB Host Human Interface Device Class Driver	r_usb_hhid	RZN2H_EVB_usb_hhid_Rev300.zip	
	USB Host Mass Storage Class Driver	r_usb_hmsc	RZN2H_EVB_usb_hmsc_Rev300.zip	
	USB Peripheral Communications Device Class	r_usb_pcdc	RZN2H_EVB_usb_pcdc_Rev300.zip	
	USB Peripheral Mass Storage Class	r_usb_pmsc	RZN2H_EVB_usb_pmsc_Rev300.zip	
	USB Host Communications Device Class Driver	r_usb_hcdc		
	USB Host Mass Storage Class Driver	r_usb_hmsc	RZN2H_EVB_usb_dual_role_pcdc_hmsc_Rev300.zip	
	USB Host Vender Class	r_usb_hvnd	RZN2H_EVB_usb_hvnd_Rev300.zip	
	USB Peripheral Vendor Class	r_usb_pvnd	RZN2H_EVB_usb_pvnd_Rev300.zip	
	Expanded Serial Peripheral Interface (xSPI) OSPI	r_xspi_ospi	RZN2H_EVB_xspi_ospi_Rev300.zip	
	Expanded Serial Peripheral Interface (xSPI) QSPI	r_xspi_qspi	RZN2H_EVB_xspi_qspi_Rev300.zip	
Other	FreeRTOS Port	rm_freertos_port	RZN2H_EVB_FreeRTOS_Rev300.zip	
	FreeRTOS Plus TCP	rm_freertos_plus_tcp	RZN2H_EVB_FreeRTOSplusTCP_Rev300.zip	
	FreeRTOS+FAT	rm_freertos_plus_fat	RZN2H_EVB_FreeRTOSplusFAT_sdhi_Rev300.zip	