

**RZ/N2H Easy Download Guide**

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Step	Product information	Contents Type	Contents name	Link	Video
1	Data Sheet	Document	RZ/T2H and RZ/N2H Groups Datasheet	<a href="#">Link</a>	
	User's Manual	Document	RZ/T2H and RZ/N2H Groups User's Manual: Hardware	<a href="#">Link</a>	
		Document	[NDA Required] DDR Design Contents for RZ/N2H	<a href="#">Link</a>	

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	<a href="#">Link</a>			
2	How to start up the board	Document	RZ/N2H Evaluation Board Kit Quick Start Guide	<a href="#">Link</a>			
		Document	RZ/N2H Evaluation Board Kit User's Manual	<a href="#">Link</a>			
		Document	RZ/T2, RZ/N2 Group Quick Start Guide: Firmware Update Application Note	<a href="#">Link</a>			
		Video	RZ/T RZ/N FSP Tutorial -Pin Configuration Function		<a href="#">Link</a>		
		Video	RZ/T RZ/N FSP Tutorial - FSP Configuration (1/2) Introduction of Tabs		<a href="#">Link</a>		
		Video	RZ/T RZ/N FSP Tutorial - FSP Configuration (2/2) How to Use		<a href="#">Link</a>		
3	How to start up the board	Document	RZ/T2, RZ/N2 Getting Started with Flexible Software Package	<a href="#">Link</a>			
3-1	Renesas e <sup>2</sup> studio + FSP Segger J-Link	exe file	Installer of e <sup>2</sup> studio and RZ/N2 FSP	<a href="#">Link</a>	<a href="#">Link</a>		
		Tool Info/Get	J-Link	<a href="#">Link</a>			
3-2	IAR Embedded Workbench for Arm IAR I-jet ICE	Tool Info/Get	IAR Embedded Workbench for Arm(ver.9.60.2 or later)	<a href="#">Link</a>			
		Tool Info/Get	I-jet	<a href="#">Link</a>			
3-3	smart configurator for EWARM + FSP FSP EWARM_Patch_for_RZN2H	exe file	Installer of RZ/T2 FSP SC and FSP (for IAR Embedded Workbench)	<a href="#">Link</a>	<a href="#">Link</a>		
		Zip File	RZ/N2 FSP Packs	<a href="#">Link</a>			
		Zip File	EWARM Patch File for RZ/T2H and RZ/N2H	<a href="#">Link</a>			
3-3	Flexible Software Package(FSP)	Tool Info/Get	GitHub : renesas/rzt-fsp	<a href="#">Link</a>			
4	How to get various software	Sample Program	RZ/N2H Example program → For detail, see next page	<a href="#">Link</a>			
		Sample Program	RZ/N2H Group Security Solution Package	<a href="#">Link</a>			
		Sample Program	RZ/T2, RZ/N2 Group Device Setup Guide for Flash Boot Sample Program	<a href="#">Link</a>			
		4-1	Endoder I/F Sample Program	Sample Program	RZ/T2, RZ/N2 Group Quick Start Guide: Firmware Update	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group ENCOUT Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F A-format Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F Biss-C Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F EnDat Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F HIPERFACE DSL Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F HIPERFACE DSL Safty Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Endoder I/F SSI Sample Program	<a href="#">Link</a>	
		4-2	Industrial Network Sample Program	Sample Program	RZ/N2H Group Endoder I/F FA-CODER Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group EtherCAT Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group Modbus Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group EtherNet/IP OpENer Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/N2H Group lwIP Protocol Stack Sample Program Package	<a href="#">Link</a>	

Step	Linux environment	Contents Type	Contents name	Link	Video
1-1	Set up Linux environment				
	RZ/T2H and RZ/N2H Linux Software Package [V5.10-CIP]	WEB	Linux software packages for RZ/T2H and RZ/N2H Groups.	<a href="#">Link</a>	
	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	<a href="#">Link</a>	
1-3	RZ MPU Security Package (Linux OS)	WEB	Security Package for RZ MPU, to be used with Linux Package for N2H	<a href="#">Link</a>	

Step	Custom board development	Contents Type	Contents name	Link	Video
	Design Guide	Document	RZ/T2H, RZ/N2H Group Hardware Design Guide	<a href="#">Link</a>	
	IBIS (for LSI)	IBIS	RZ/N2H 576pin IBIS	<a href="#">Link</a>	
		IBIS	RZ/N2H PCIe IBIS	<a href="#">Link</a>	
		IBIS	[NDA Required] RZ/N2H USB IBIS	<a href="#">Link</a>	
	Boundary Scan Description Language	BSDL	RZ/N2H (R9A09G087GBG) BSDL	<a href="#">Link</a>	
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	<a href="#">Link</a>	

**RZ/N2H Example program Detail**

Category	Function	Module name	File name	Video
Event Link	Event Link Controller	r_elc	RZN2H_EVB_elc_Rev200.zip	
System	Clock Generation Circuit	r_cgc	RZN2H_EVB_cgc_Rev200.zip	
	Cyclic Redundancy Check(CRC) Calculator	r_crc	RZN2H_EVB_crc_Rev200.zip	
	Data Operation Circuit	r_doc	RZN2H_EVB_doc_Rev200.zip	
	MCU Board Support Package	r_tsu	RZN2H_EVB_tsu_Rev200.zip	
	Temperature Sensor Unit	r_tsu	RZN2H_EVB_tsu_Rev200.zip	
Timer, Peripheral Function	Analog to Digital Converter	r_adc	RZN2H_EVB_adc_Rev200.zip	
	I/O Ports	r_ioport	RZN2H_EVB_bsp_Rev200.zip	
	Compare Match Timer	r_cmt	RZN2H_EVB_cmt_Rev200.zip	
	Compare Match Timer W	r_cmtw	RZN2H_EVB_cmtw_Rev200.zip	
	Delta-sigma interface, General PWM Timer, Port Output Enable for GPT	r_dsmif r_gpt r_poeg	RZN2H_EVB_dsmif_gpt_poeg_Rev200.zip	
	General PWM Timer, General PWM Timer phase count Motor Control Driver	r_gpt r_gpt_phase_count	RZN2H_EVB_gpt_phase_count_Rev200.zip	
	Multi-Function Timer Pulse Unit 3 phase count Motor Control Driver	r_mtu3_phase_count	RZN2H_EVB_mtu3_phase_count_Rev200.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_Rev200.zip	
	Multi-Function Timer Pulse Unit 3	r_mtu3	RZN2H_EVB_mtu3_Rev200.zip	
	Real Time Clock	r_rtc	RZN2H_EVB_rtc_Rev200.zip	
Direct Memory Access	Direct Memory Access Controller	r_dmac	RZN2H_EVB_dmac_Rev200.zip	
Communication Interface	Controller Area Network Flexible Data	r_canfd	RZN2H_EVB_canfd_Rev200.zip	
	Ethernet, Ethernet PHY, Ethernet SWITCH, Ethernet SELECTOR	r_ether r_ether_phy r_ether_switch r_ether_selector	RZN2H_EVB_Ethernet_Rev200.zip	
	Expanded Serial Peripheral Interface (xSPI) HyperBus	r_xspi_hyper	RZN2H_EVB_HyperRAM_Rev200.zip	
	IIC Master on IIC	r_iic_master	RZN2H_EVB_iic_master_Rev200.zip	
	IIC Slave on IIC	r_iic_slave	RZN2H_EVB_iic_slave_Rev200.zip	
	PCI Express 3.0 Interface,	r_pcie_ep r_pcie_rc	RZN2H_EVB_pcie_Rev200.zip	
	IIC Master on IIC	r_iic_master	RZN2H_EVB_sci_iic_master_Rev200.zip	
	IIC Slave on IIC	r_iic_slave	RZN2H_EVB_iic_slave_Rev200.zip	
	Serial Communications Interface (SCI)	r_sci_uart	RZN2H_EVB_sci_uart_Rev200.zip	
	UART	r_sci_uart	RZN2H_EVB_sci_uart_Rev200.zip	
	Serial Peripheral Interface	r_spi	RZN2H_EVB_spi_Rev200.zip	
	USB Host Communications Device Class Driver	r_usb_hcdc	RZN2H_EVB_usb_hcdc_Rev200.zip	
	USB Host Human Interface Device Class Driver	r_usb_hhid	RZN2H_EVB_usb_hhid_Rev200.zip	
	USB Host Mass Storage Class Driver	r_usb_hmsc	RZN2H_EVB_usb_hmsc_Rev200.zip	
	USB Peripheral Communications Device Class	r_usb_pcdc	RZN2H_EVB_usb_pcdc_Rev200.zip	
	USB Peripheral Mass Storage Class	r_usb_pmsc	RZN2H_EVB_usb_pmsc_Rev200.zip	
	Expanded Serial Peripheral Interface (xSPI) OSPI	r_xspi_ospi	RZN2H_EVB_xspi_ospi_Rev200.zip	
Expanded Serial Peripheral Interface (xSPI) QSPI	r_xspi_qspi	RZN2H_EVB_xspi_qspi_Rev200.zip		
Other	FreeRTOS Port	rm_freertos_port	RZN2H_EVB_FreeRTOS_Rev200.zip	
	FreeRTOS Plus TCP	rm_freertos_plus_tcp	RZN2H_EVB_FreeRTOSplusTCP_Rev200.zip	