

Step	Product information	Contents Type	Contents name	Link	Video
1	Flyer	Document	Renesas RZ/N2L Group	<a href="#">Link</a>	
	Datasheet	Document	Datasheet	<a href="#">Link</a>	
	User's Manual	Document	User's Manual:Hardware	<a href="#">Link</a>	
	Introduction video	video	RZ/N2L MPU Enables Easy Implementation of Industrial Ethernet and TSN		<a href="#">Link</a>
	Product introduction video	video	RZ/N2L Product Concept & Highlights		<a href="#">Link</a>
	Blog		RZ/N2L Microprocessor to Implement Industrial Ethernet and TSN for Industrial Equi	<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	Renesas Starter Kit+ for RZ/N2L Web page	<a href="#">Link</a>	
2	How to start up the board					
			Document	Renesas Starter Kit+ for RZ/N2L Quick Start Guide	<a href="#">Link</a>	
			Document	Renesas Starter Kit+ for RZ/N2L User's Manual	<a href="#">Link</a>	
		video	RZ/T2M RZ/T2L RZ/N2L Boot Mode Overview			<a href="#">Link</a>
3	Evaluation Environment start-up method					
			Document	Getting Started with Flexible Software Packege	<a href="#">Link</a>	
3-1	Renesas e <sup>2</sup> studio +FSP	exe File	Installer of e <sup>2</sup> studio and RZ/N2L FSP		<a href="#">Link</a>	<a href="#">Link</a>
	Segger J-Link	Tool Info/Get	J-Link		<a href="#">Link</a>	
3-2	IAR Embedded Workbench for Arm	Tool Info/Get	Installer of EWARM(ver.9.30.1 or later)		<a href="#">Link</a>	
	IAR I-jet ICE	Tool Info/Get	I-jet		<a href="#">Link</a>	
	smart configurator for EWARM +FSP	exe File	RZ/N2L FSP SC and FSP Installer(for IAR Embedded Workbench)		<a href="#">Link</a>	<a href="#">Link</a>
	FSP	Zip File	RZ/N2 FSP_Packs		<a href="#">Link</a>	
3-3	Flexible Software Package(FSP)	Tool Info/Get	GitHub : renesas/rzn-fsp		<a href="#">Link</a>	
3-4	BACnet Start up	Tool Info/Get	BACnet Start up		<a href="#">Link</a>	
4	How to get various software					
		Sample Program	RZ/N2L Example program → <a href="#">For detail, see next page</a>		<a href="#">Link</a>	
		Sample Program	RZ/T2, RZ/N2 Group Firmware Update Sample program		<a href="#">Link</a>	
		Sample Program	RZ/T2, RZ/N2 Group Device Setup Guide for Flash boot Sample program		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group Example of separating loader program and application program projects		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group TCP/IP lwIP Sample Program Package		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group SHOSTIF Sample program Package		<a href="#">Link</a>	
		Sample Program	RZ/T2, RZ/N2 Group CMSIS-DSP Library		<a href="#">Link</a>	
4-1	Encoder I/F Sample Program	Sample Program	RZ/N2L Group Encoder I/F SSI sample Program		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group Encoder I/F FA-CODER sample Program		<a href="#">Link</a>	
4-2	Industrial Network Sample Program	Sample Program	RZ/N2L Group EtherCAT Sample Program		<a href="#">Link</a>	<a href="#">Link</a>
		Sample Program	RZ/N2L Group Modbus TCP Sample Program Package		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group EtherNet/IP OpENer Sample Program Package		<a href="#">Link</a>	
		Sample Program	RZ/N2L Group OPC UA Server Sample Software		<a href="#">Link</a>	
4-3	Building Automation Sample Program	Sample Program	RZ/N2L BACnet Sample Software		<a href="#">Link</a>	<a href="#">Link</a>
		Sample Program	RZ/N2L BACnet to OPC UA Gateway Sample Software		<a href="#">Link</a>	

Step	Motor Slution Kit(AC 240V version)	Contents Type	Contents name	Link	Video
1	Board Information/ how to get	Info	AC Servo Solution Kit	<a href="#">Link</a>	
		Schematic	CN032 AC Servo Solution Design Package	<a href="#">Link</a>	
2	How to start up the board	Document	CN032 AC Servo Solution Startup Guide (for Motion Control Utility)	<a href="#">Link</a>	
		Document	CN032 AC Servo Solution Hardware Manual (for RZ/T2M, RZ/N2L)	<a href="#">Link</a>	
		Document	CN032 AC Servo Solution Firmware Manual	<a href="#">Link</a>	
		Document	CN032 AC Servo Solution Startup Guide (for EtherCAT)	<a href="#">Link</a>	
3	How to run software	Sample Program	CN032 AC Servo Solution Package	<a href="#">Link</a>	

Step	RZ/N2L Industrial Network SOM Kit	Contents Type	Contents name	Link	Video
1	Board Information/ how to get	Info	YCONNECT-IT-RZN2L web page	<a href="#">Link</a>	
		Zip File	RZ/N2L Industrial Network SOM Kit Design Data+F:F	<a href="#">Link</a>	
2	How to start up the board	Document	RZ/N2L Industrial Network SOM Kit User's Manual	<a href="#">Link</a>	
		Document	RZ/N2L Industrial Network SOM Kit Startup Guide: LED Blinky Sample Program	<a href="#">Link</a>	
3	How to get various software	Sample Program	RZ/N2L Industrial Network SOM Kit Software Package	<a href="#">Link</a>	
		Document	Application Note: HTTP Server Sample Program	<a href="#">Link</a>	
		Document	Application Note: EtherCAT Slave Software	<a href="#">Link</a>	
		Document	Application Note: EtherCAT CiA402 Slave Software	<a href="#">Link</a>	
		Document	Application Note: EtherNet/IP OpENer Sample Program	<a href="#">Link</a>	

Step	Custom board development	Contents Type	Contents name	Link	Video
	Design guide	Document	RZ/T2M, RZ/N2L Group Hardware Design Guide	<a href="#">Link</a>	
	IBIS (for LSI)	IBIS	RZ/N2L 225pin IBIS	<a href="#">Link</a>	
		IBIS	RZ/N2L 121pin IBIS	<a href="#">Link</a>	
	Boundary Scan Description Language	BSDL	RZ/N2L 225pin FBGA (R9A07G084GBG) BSDL	<a href="#">Link</a>	
		BSDL	RZ/N2L 121pin FBGA (R9A07G084GBA) BSDL	<a href="#">Link</a>	
	Reliability Report	Document	R9A07G084MXXGBX Reliability Report	<a href="#">Link</a>	
	Semiconductor Package Mount Manual	Document	Semiconductor Package Mount Manual	<a href="#">Link</a>	

Step	Information for engineer	Contents Type	Contents name	Link	Video
As needed	FAQ	Info	RZ/N2L FAQ page	<a href="#">Link</a>	
	Notes	Info			
		Document	Renesas Starter Kit+ for RZ/N2L Differences of EEPROM size	<a href="#">Link</a>	
		Document	Renesas Starter Kit+ for RZ/N2L: Quick Start Guide	<a href="#">Link</a>	
		Document	Ethernet MAC (GMAC) function issue	<a href="#">Link</a>	
		Document	Withdrawal of SCI/USB authentication function	<a href="#">Link</a>	
		Document	Renesas Starter Kit+ for RZ/N2L: Free Replacement	<a href="#">Link</a>	

RZ/N2L Example program Detail

Category	Function	Module name	File name
System	Bus State Controller	r_bsc	RZN2L_RSK_bsc_Rev100.zip
		r_bsc_sdram	RZN2L_RSK_bsc_sdram_Rev100.zip
	Clock Generation Circuit	r_cgc	RZN2L_RSK_cgc_Rev100.zip
Timer & Peripheral	Analog to Digital Converter	r_adc	RZN2L_RSK_adc_Rev100.zip
	Compare Match Timer	r_cmt	RZN2L_RSK_cmt_Rev100.zip
	Compare Match Timer W	r_cmtw	RZN2L_RSK_cmtw_Rev100.zip
	Delta-sigma interface	r_dsmif	RZN2L_RSK_dsmif_gpt_poeg_Rev110.zip
	General PWM Timer	r_gpt	
	Port Output Enable for GPT	r_poeg	
	Multi-Function Timer Pulse Unit 3 Port Output Enable	r_mtu3	RZN2L_RSK_mtu3_poe3_Rev120.zip
		r_poe3	
Direct memory access	Direct Memory Access Controller	r_dmac	RZN2L_RSK_dmac_Rev100.zip
Event Link	Event Link Controller	r_elc	RZN2L_RSK_elc_Rev100.zip
Communication Interface	Ethernet	r_ether	RZN2L_RSK_Ethernet_Rev110.zip
	Ethernet PHY	r_ether_phy	
	Ethernet SWITCH	r_ether_switch	
	Ethernet SELECTOR	r_ether_selector	
	Controller Area Network - Flexible Data (CAN-FD)	r_canfd	RZN2L_RSK_canfd_Rev110.zip
	I2C Master on IIC	r_iic_master	RZN2L_RSK_iic_master_Rev100.zip
			RZN2L_RSK_iic_master_dmac_Rev100.zip
	I2C Slave on IIC	r_iic_slave	RZN2L_RSK_iic_slave_Rev100.zip
	Serial Communications Interface (SCI) UART	r_scif_uart	RZN2L_RSK_sci_uart_Rev110.zip
			RZN2L_RSK_sci_uart_dmac_Rev110.zip
	Serial Peripheral Interface	r_spi	RZN2L_RSK_spi_Rev100.zip
			RZN2L_RSK_spi_dmac_Rev100.zip
	USB Host Communications Device Class Driver	r_usb_basic	RZN2L_RSK_usb_hcdc_Rev120.zip
		r_usb_hcdc	
	USB Host Mass Storage Class Driver	r_usb_basic	RZN2L_RSK_usb_hmsc_Rev110.zip
		r_usb_hmsc*	
	USB Peripheral Communications Device Class	r_usb_basic	RZN2L_RSK_usb_pcdc_Rev120.zip
		r_usb_pcdc	
Other	Expanded Serial Peripheral Interface (xSPI) QSPI	r_xspi_qspi	RZN2L_RSK_xspi_qspi_Rev110.zip
	Expanded Serial Peripheral Interface (xSPI) OSPI	r_xspi_ospi	RZN2L_RSK_xspi_ospi_Rev110.zip
	FreeRTOS Plus TCP	rm_Freertos_plus_tcp	RZN2L_RSK_FreeRTOSplusTCP_Rev120.zip
	- *1	-	RZN2L_RSK_HyperRAM_Rev100.zip

\*1: This program does not use any mainly modules.