

Step	Product information	Contents Type	Contents name	Link	Video
1	Flyer	Document	Renesas RZ/T2M Group	<a href="#">Link</a>	
	Datasheet	Document	Datasheet	<a href="#">Link</a>	
	User's Manual	Document	User's Manual:Hardware	<a href="#">Link</a>	
	60 seconds video	video	RZ/T2M MPU Enables Next-Generation Real-Time Motor Control		<a href="#">Link</a>
	Product introduction video	video	Renesas RZ/T2M industrial Grade Motor Control Solution		<a href="#">Link</a>
	Blog		How to Develop High-Performance and Multi-Functional Servo Motor Using RZ/T2M?	<a href="#">Link</a>	
	Webinar	video	Build Top-Notch Servo Controllers with Industrial Ethernet and Functional Safety	<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/T2M Web page	<a href="#">Link</a>			
2	How to start up the board	Document	Renesas Starter Kit+ for RZ/T2M Quick Start Guide	<a href="#">Link</a>			
		Document	Renesas Starter Kit+ for RZ/T2M User's Manual	<a href="#">Link</a>			
		video	RZ/T2M RZ/T2L RZ/N2L Boot Mode Overview		<a href="#">Link</a>		
		video	RZ/T RZ/N FSP Tutorial -Pin Configuration Funtion		<a href="#">Link</a>		
3	Evaluation Environment start-up method	Document	RZ/T2,RZ/N2 Getting Started with Flexible Software Package	<a href="#">Link</a>			
3-1	Renesas e <sup>2</sup> studio + FSP	exe File	Installer of e <sup>2</sup> studio and RZ/T2 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	Tool Info/Get	IAR Embedded Workbench for Arm(ver.9.30.1 or later)	<a href="#">Link</a>			
		Tool Info/Get	I-jet	<a href="#">Link</a>			
3-3	smart configurator for EWARM + FSP	exe File	Installer of RZ/T2 FSP SC and FSP(for IAR Embedded Workbench)	<a href="#">Link</a>	<a href="#">Link</a>		
		FSP	Zip File	RZ/T2 FSP Packs	<a href="#">Link</a>		
		Flexible Software Package(FSP)	Tool Info/Get	GitHub : renesas/rzt-fsp	<a href="#">Link</a>		
4	How to get various software	Sample Program	RZ/T2M Example program →For detail, see next page	<a href="#">Link</a>			
		Sample Program	RZ/T2, RZ/N2 Group Firmware Update Sample program	<a href="#">Link</a>			
		Sample Program	RZ/T2 and RZ/N2 Group Device Setup Guide for Flash boot Sample program	<a href="#">Link</a>			
		Sample Program	RZ/T2M Group Example of separating loader program and application program projects	<a href="#">Link</a>			
		Sample Program	RZ/T2M Group lwIP Protocol Sample Program Package	<a href="#">Link</a>	<a href="#">Link</a>		
		4-1	Encoder I/F Sample Program	Sample Program	RZ/T2, RZ/N2 Group CMSIS-DSP Library	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F Configuration sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Dual Encoder sample program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group ENCOUOUT Sample Code	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F A-format sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F Biss-C sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F EnDat sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F EnDat Safety sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F HIPERFACE DSL sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F HIPERFACE DSL Safety sample Program	<a href="#">Link</a>	
		4-2	Industrial Network Sample Program	Sample Program	RZ/T2M Group Encoder I/F SSI sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Encoder I/F FA-CODER sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group EtherCAT Sample Program	<a href="#">Link</a>	
				Sample Program	RZ/T2M Group Modbus Sample Program	<a href="#">Link</a>	
Sample Program	RZ/T2M Group EtherNet/IP OpENer Sample Program			<a href="#">Link</a>			

Step	Motor Solution Kit(DC 24V version)	Contents Type	Contents name	Link	Video		
1	Board Information/ how to get	Info	RZ/T2M Motor Solution Kit Web page	<a href="#">Link</a>	<a href="#">Link</a>		
		Schematic	RZ/T2M Motor Solution Board Circuit Diagram	<a href="#">Link</a>			
2	How to start up the board	Document	RZ/T2M Group RZ/T2M Motor Solution Board Hardware Manual	<a href="#">Link</a>			
		2-1	Motor control using Motion Utility	Document	RZ/T2M Group RZ/T2M Motor Solution Kit Startup Manual(for RZ/T2M Motion Control Utility)	<a href="#">Link</a>	<a href="#">Link</a>
		2-2	Motor control and FSoE Communication using EtherCAT (CiA402) and FSoE Master	Document	RZ/T2M Group RZ/T2M Motor Solution Kit Startup Manual (for EtherCAT)	<a href="#">Link</a>	
				Document	RZ/T2M Motor Solution Kit Firmware (Motor Control, EtherCAT)	<a href="#">Link</a>	
		Document	RZ/T2M Motor Solution Kit Firmware (Motor Control, EtherCAT)	<a href="#">Link</a>			
		Video	Prepare for TwinCAT(CiA402) with RZ/T2M Motor Solution Kit		<a href="#">Link</a>		
		Video	FSoE Communication with RZ/T2M Motor Solution Kit		<a href="#">Link</a>		
		Video	CiA402 with RZ/T2M Motor Solution Kit using FuSa FW		<a href="#">Link</a>		
		Video	CiA402 with RZ/T2M Motor Solution Kit using Non FuSa FW		<a href="#">Link</a>		
		Video	Safe torque off Demonstration with RZ/T2M Motor Solution Kit		<a href="#">Link</a>		
		2-3	Program Writing Guide	Document	RZ/T2M Motor Solution Kit Program Writing Guide	<a href="#">Link</a>	
				Video	Writing Non FuSa Firmware with CiA402 for RZ/T2M motor solution kit	<a href="#">Link</a>	
				Video	Writing Non FuSa Firmware for RZ/T2M motor solution kit	<a href="#">Link</a>	
Video	Writing FuSa Firmware with CiA402 for RZ/T2M motor solution kit			<a href="#">Link</a>			
Video	Writing FuSa Firmware for RZ/T2M motor solution kit	<a href="#">Link</a>					
3	How to run software	Sample Program	RZ/T2M Motor Solution Kit package	<a href="#">Link</a>			

Step	Motor Solution Kit(AC 220V 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	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/T2M 320pin IBIS	<a href="#">Link</a>	
			IBIS	RZ/T2M 225pin IBIS	<a href="#">Link</a>	
			IBIS	RZ/T2M 176pin IBIS	<a href="#">Link</a>	
			IBIS	RZ/T2M 128pin IBIS	<a href="#">Link</a>	
Boundary Scan Description Language	BSDL	RZ/T2M 320pin FBGA (R9A07G075GBG) BSDL	<a href="#">Link</a>			
	BSDL	RZ/T2M 225pin FBGA (R9A07G075GGBA) BSDL	<a href="#">Link</a>			
	BSDL	RZ/T2M 176pin LQFP (R9A07G075GFP) BSDL	<a href="#">Link</a>			
	BSDL	RZ/T2M 128pin LQFP (R9A07G075GFA) BSDL	<a href="#">Link</a>			
Reliability Report	Document	R9A07G075MXXGBX 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/T2M FAQ page	<a href="#">Link</a>		
		Notes	Info			
		Document	Renesas Starter Kit+ for RZ/T2M Differences of EEPROM size	<a href="#">Link</a>		
		Document	Renesas Starter Kit+ for RZ/T2M USB-Serial Conversion	<a href="#">Link</a>		
		Document	Renesas Starter Kit+ for RZ/T2M: Packet Loss during Ethernet or EtherCAT Communication	<a href="#">Link</a>		
		Document	Renesas Starter Kit+ for RZ/T2M: USB-Serial Conversion and 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	Correction on AC and temperature sensor characteristics	<a href="#">Link</a>		
		Document	Site additional of package assembly and final test(PC-SOC-A006A/E)	<a href="#">Link</a>		
		Document	Ethernet Switch (ETHSW) function issue	<a href="#">Link</a>		

**RZ/T2M Example program Detail**

Category	Function	Module name	File name	Video
Memory	Shared Memory	r_shared_memory	RZT2M_RSK_shared_memory_Rev100.zip	
System	Bus State Controller	r_bsc	RZT2M_RSK_bsc_Rev100.zip RZT2M_RSK_bsc_sdram_Rev100.zip	
	Clock Generation Circuit	r_cgc	RZT2M_RSK_cgc_Rev100.zip	
	Inter-CPU IRQ on ICU	r_icu_inter_cpu_irq	RZT2M_RSK_icu_inter_cpu_irq_Rev100.zip	
	BSP Dual	-	RZT2M_RSK_bsp_dual_Rev100.zip	
Timer & Peripheral	Analog to Digital Converter	r_adc	RZT2M_RSK_adc_Rev120.zip	<a href="#">Link</a>
	Compare Match Timer	r_cmt	RZT2M_RSK_cmt_Rev100.zip	
	Compare Match Timer W	r_cmtw	RZT2M_RSK_cmtw_Rev100.zip	
	Delta-sigma interface	r_dsmif		
	General PWM Timer	r_gpt	RZT2M_RSK_dsmif_gpt_poeg_Rev120.zip	<a href="#">Link</a>
	Port Output Enable for GPT	r_poeg		
	General PWM Timer phase count Motor Control Driver	r_gpt_phase_count	RZT2M_RSK_gpt_phase_count_Rev110.zip	
Multi-Function Timer Pulse Unit 3 Port Output Enable	r_mtu3	RZT2M_RSK_mtu3_poe3_Rev120.zip		
	r_poe3			
Multi-Function Timer Pulse Unit 3 phase count Motor Control Driver	r_mtu3_phase_count	RZT2M_RSK_mtu3_Rev100.zip		
Direct memory access	Direct Memory Access Controller	r_dmac	RZT2M_RSK_dmac_Rev100.zip	
Event Link	Event Link Controller	r_elc	RZT2M_RSK_elc_Rev100.zip	
Communication Interface	Ethernet	r_ether		
	Ethernet PHY	r_ether_phy		
	Ethernet SWITCH	r_ether_switch	RZT2M_RSK_Ethernet_Rev130.zip	
	Ethernet SELECTOR	r_ether_selector		
	Controller Area Network - Flexible Data (CAN-FD)	r_canfd	RZT2M_RSK_canfd_Rev100.zip	
	I2C Master on IIC	r_iic_master	RZT2M_RSK_iic_master_Rev100.zip RZT2M_RSK_iic_master_dmac_Rev100.zip	
	I2C Slave on IIC	r_iic_slave	RZT2M_RSK_iic_slave_Rev100.zip	
	Serial Communications Interface (SCI) UART	r_sci_uart	RZT2M_RSK_sci_uart_Rev130.zip	
			RZT2M_RSK_sci_uart_dmac_Rev110.zip	
	Serial Peripheral Interface	r_spi	RZT2M_RSK_spi_Rev100.zip	
			RZT2M_RSK_spi_dmac_Rev100.zip	
	USB Peripheral Communications Device Class	r_usb_basic		
		r_usb_pcdc	RZT2M_RSK_usb_pcdc_Rev120.zip	
	USB Peripheral Mass Storage Class	r_usb_basic		
		r_usb_pmssc rm_block_media_user	RZT2M_RSK_usb_pmssc_Rev100.zip	
	USB Host Communications Device Class Driver	r_usb_basic		
		r_usb_hcdc	RZT2M_RSK_usb_hcdc_Rev120.zip	
	USB Host Human Interface Device Class Driver	r_usb_basic		
		r_usb_hhid	RZT2M_RSK_usb_hhid_Rev100.zip	
USB Host Mass Storage Class Driver*1	r_usb_basic			
	r_usb_hmasc	RZT2M_RSK_usb_hmasc_Rev110.zip		
Expanded Serial Peripheral Interface (xSPI) QSPI	r_xspi_qspi	RZT2M_RSK_xspi_qspi_Rev100.zip		
		RZT2M_RSK_xspi_qspi_xip_Rev101.zip		
Expanded Serial Peripheral Interface (xSPI) OSPI	r_xspi_ospi	RZT2M_RSK_xspi_ospi_Rev100.zip		
HyperRAM	-	RZT2M_RSK_HyperRAM_Rev100.zip		
Other	FreeRTOS Plus TCP	rm_freertos_plus_tcp	RZT2M_RSK_FreeRTOSplusTCP_Rev100.zip	

\*1 : This driver is not included in FSP.