

# RZ/T2M Easy Download Guide

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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>			
	White Paper	Document	Renesas Solution for Broad Encoder Interface Support in Industrial Automation Applications	<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 Function		<a href="#">Link</a>		
		Video	RZ/T RZ/N FSP Tutorial for FSP Configuration (1/2) - Introduction of Tabs		<a href="#">Link</a>		
		Video	RZ/T RZ/N FSP Tutorial for FSP Configuration (2/2) - How to Use		<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 Segger J-Link	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 IAR I-jet ICE smart configurator for EWARM+ FSP	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	Flexible Software Package(FSP)	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/T2 FSP Packs	<a href="#">Link</a>			
		GitHub	GitHub : renesas/rzt-fsp	<a href="#">Link</a>			
4	How to get various software	Sample Program	RZ/T2M-RSK Example Project Bundle	<a href="#">Link</a>			
		GitHub	RZ/T2M-RSK Example Project Detail	<a href="#">Link</a>			
		Sample Program	RZ/T2M Example program (Deprecated)	<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>		
		Sample Program	RZ/T2, RZ/N2 Group CMSIS-DSP Library	<a href="#">Link</a>			
		Sample Program	RZ/T2M Group GPT Phase Count Sample Program (Z Phase support)	<a href="#">Link</a>			
		Sample Program	RZ/T2M Group MTU3 Phase Count Sample Program (Z Phase support)	<a href="#">Link</a>			
		Sample Program	RZ/T2M, T2L, N2L Group Security Solution Package	<a href="#">Link</a>			
		4-1	Encoder I/F Sample Program	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 ENCOOUT 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 3 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>	
				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>	
		4-2	Industrial Network Sample Program	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>	
				Sample Program	RZ/T2M Group OPC UA Server Sample Software	<a href="#">Link</a>	
				Sample Program	RZ/T2M, RZ/N2L Group TSN Sample Applications Package	<a href="#">Link</a>	
				Sample Program	RZ/T2, RZ/N2 PROFINET IRT DEVKIT	<a href="#">Link</a>	<a href="#">Link</a>

Step	Motor Solution Kit(AC 220V version)	Contents Type	Contents name	Link	Video
1	Board Information/ how to get	Info Schematic	AC Servo Solution Kit CN032 AC Servo Solution Design Package	<a href="#">Link</a> <a href="#">Link</a>	
2	How to start up the board	Document Document Document Document	CN032 AC Servo Solution Startup Guide (for Motion Control Utility) CN032 AC Servo Solution Hardware Manual (for RZ/T2M, RZ/N2L) CN032 AC Servo Solution Firmware Manual CN032 AC Servo Solution Startup Guide (for EtherCAT)	<a href="#">Link</a> <a href="#">Link</a> <a href="#">Link</a> <a href="#">Link</a>	
3	How to run software	Sample Program	CN032 AC Servo Solution Package	<a href="#">Link</a>	

ステップ	RZ/T2M & T2L Safety Motor Solution	Contents Type	Contents name	Link	Video
1	Board Information/ how to get	Web Document	RZ/T2M & RZ/T2L Safety Motor Control Demonstration Kit RTK0EF0190D01001BJ User's Manual	<a href="#">Link</a> <a href="#">Link</a>	<a href="#">Link</a>
2	How to start up the board	Document Document Video	RZ/T2M, RZ/T2L Group Safety Motor Control Reference Kit Startup Manual (EtherCAT/FSOE) RZ/T2M Encoder Vector Control of Permanent Magnet Synchronous Motor - Serial Encoder RZ/T2M & RZ/T2L Safety Motor Control Reference Kit: FSoE Communication Setup	<a href="#">Link</a> <a href="#">Link</a> <a href="#">Link</a>	

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

Step	Functional Safety Solution	Contents Type	Contents name	Link	Video
	Functional Safety Solution	Info Software Download	IEC 61508 Functional Safety for Industrial Application Web page Download Request for Industrial Safety	<a href="#">Link</a> <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 (R9A07G075GBA) 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>	
		Document	R9A07G075MXXGFX 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
	FAQ, Note	Info	RZ/T2M FAQ page	<a href="#">Link</a>	
		Info	RZ/T2M Tool News page	<a href="#">Link</a>	
		Info	RZ/T2M Technical Update	<a href="#">Link</a>	