[Upgrade to Revision] Solution Toolkit QE for Motor V1.5.0: Development Assistance Tool for Motor

R20TS1140EJ0100 Rev.1.00 Jul. 09, 2025

Outline

QE for Motor, a development assistance tool for motor, has been updated from V1.4.0 to V1.5.0.

1. Products to Be Updated

V1.4.0 of QE for Motor, a development assistance tool for motor

2. Description

The following sections cover the main enhancements. For details of the update and how to install the product, refer to the release note at the link below.

 QE for Motor V1.5.0 Release Note https://www.renesas.com/document/rln/ge-motor-v150-release-note

2.1 Improved Functionality

• Enhanced Sample Program Import Function

An [Application] tab was added to the sample program import window to enable searching for sample programs by motor control method.

	Select S	Sample project name	Name in workspace	Application	Date
Control Type Vector control		Sensorless vector control for dual permanent magnetic synchronous motor	RA6T2_MCILV1_2SPM_LESS_FOC	Click here for F	2024-01
120-degree conducting control		Sensorless Vector Control with one shunt for Permanent Magnet Synchronous Motor	RA6T2_MCILV1_SPM_LESS_FOC_1	Click here for F	2024-01
		Sensorless Vector Control for Permanent Magnet Synchronous Motor	RA6T2_MCILV1_SPM_LESS_FOC_E	Click here for F	2024-01
Sensor Type		Sensorless Vector Control for Permanent Magnet Synchronous			,
Hall sensor feedback	Kit info				
Sensorless feedback	KICIIIO				
Encoder feedback					
Inductive sensor feedback	uctive sensor feedback MCK-RA6T2 Renesas Flexible Motor Control Kit for RA6T2 MCU Group				
	RTK	0EMA270S00020BJ			
MCK-RA4T1 Renesas Flexible Motor Control Kit for RA4T1 MCU Group Motor Control Evaluation System for RA Family - RA6T1 Group	1	control using permanent	development kit that enables eas nt magnet synchronous motors (t	brushless DC mo	
		control using permaner With this product and t	nt magnet synchronous motors (the sample code and QE for Motor website, you can start evaluating the same start evaluating	brushless DC mo or that can be	otors).
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2.2 Addition of Supported Devices

RA Family: RA2T1 Group



3. Obtaining the Product

Download the installer for QE for Motor V1.5.0 from the following URL: <u>https://www.renesas.com/qe-motor#downloads</u>



Revision History

		Description		
Rev.	Date	Page	Summary	
1.00	Jul.09.25	-	First edition issued	

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