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Rev.1.00

Oct. 05, 2024

[Upgrade to Revision] Solution Toolkit QE for Motor V1.4.0: Development Assistance Tool for Motor

Outline

QE for Motor, a development assistance tool for motor, has been updated from V1.3.0 to V1.4.0.

1. Description

For details of the update, supported devices and how to install the product, refer to the release note at the link below.

> QE for Motor V1.4.0 Release Note

https://www.renesas.com/document/rln/ge-motor-v140-release-note

The main changes are as follows.

1.1 Supported variable meaning file generation function

A function to generate a variable meaning file is supported. Generated file can be loaded to the analyzer function of Renesas Motor Workbench. When you click [Generate variable meaning file] button, variable meaning information is extracted from C source files and output into a CSV file.



Figure 1 [Generate variable meaning file] button

For how to load a variable meaning file to Renesas Motor Workbench, please refer to the Renesas Motor Workbench user's manual.

https://www.renesas.com/software-tool/renesas-motor-workbench



1.2 Updated sample program download wizard

When you check in the checkboxes, you can download and import multiple sample projects into e² studio at once. The sample program download wizard can be opened from the [Download and Import Motor Sample Programs] button on the [Project Preparation] page. The new sample program download wizard can be opened from [Download and import motor sample program] button on [Prepare Project] page.

Select a project to download								×
Kits Devices			Se	elect Sample project name	Name in workspace	Application	Date	/
Trial series "T1003" 200W 300VA Inverter Unit RL78/G24 Motor Control Evaluation Kit	RL78/G1	Motor Type Brushless DC Mortor (BXM6200-A) Brushless DC Mortos (TG, 551, KA)	8	Vector Control for Permanent Magnet Synchronous Moto	RX26T_MCBA_MCILV1_SPM_E RX26T_MCBC_MCILV1_SPM_E	Click here for I Click here for I Click here for I Click here for I	2023-0	
MCK-RX26T Renesas Flexible Motor Control Kit for RX26T MCU Group	RX26T	Brushless DC Motor (R42BLD30L3)	Ke	vector Control for Permanent Magnet Synchronous Wolds synchronous Vector Control of a Permanent Magnet Synchr eywords incoder feedback	RX26T_MCBA_MCILV1_SPM_LE			
Group	Control	Kit for RX26T MCU		ample project info				
enable	CK-RX26	T is a development kit that valuation of motor control		ample project info Description This project is the sample program that uses Renesas RX281 synchronous motor with vector control.	r microcontroller to drive a perm	anent magnet		
Group RTKOEMXE70S00020BJ	ICK-RX26 es easy en permaner less DC r mple code wnloaded valuating	T is a development kit that raluation of motor control it magnet synchronous motors notors). With this product and and QE for Motor that can from the website, you can motor control using the		ample project info Description This project is the sample program that uses Renesas RX26	T microcontroller to drive a perm	anent magnet		
Group RTK0EMXE70S00020BJ	ICK-RX26 es easy er permaner less DC r mple code wnloaded valuating f right aw	T is a development kit that valuation of motor control in magnet synchronous motors motors). With this product and a and CE for Metor that can and CE for Metor that can motor control using the ay. formation		Imple project info Description This project is the sample program that uses Renesas RX261 synchronous motor with vector control. Festures, Target System For RX261 RAM4BK8 Version Sensorless feedback Vector control				

Figure 2 Check boxes on the sample program download wizard

2. Obtaining the Product

Download the installer for QE for Motor V1.4.0 from the following URL:

https://www.renesas.com/qe-motor#tab-release-information



Revision History

		Description		
Rev.	Date	Page	Summary	
1.00	Oct.05.24	-	First edition issued	

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