[Upgrade to Version]

Solution Tool Kit
QE for USB V2.0.0: A Dedicated Tool for USB

Outline

QE for USB, a dedicated tool for USB, has been updated from V1.2.1 to V2.0.0.

1. Products to Be Updated

V1.2.1 of QE for USB, a dedicated tool for USB.

2. Description

The main changes are as follows. Refer to the release note for details.

https://www.renesas.com/document/rln/qe-usb-v200-release-note

2.1 New Features

➢ USB Type-C Debugging Function

The "USB Type-C Check (QE)" view allows the user to check the USB status of the MCU (RA2L2) equipped with USB Type-C. Information about the USB Type-C connection is displayed on the view based on the MCU's register information, facilitating debugging.

Video：QE for USB Tutorial: How to Debug a USB Type-C System with the RA2L2 Kit

➢ Workflow view

"USB Workflow (QE)" view, you can debug the USB system without hesitation by following the items on the navigation panel while checking the operation guide and making various settings.

➢ VBUS voltage and current monitoring function

The "USB VBUS Monitor (QE)" view provides a graphical representation of the VBUS voltage and current. The values of the following variables are displayed on the graph.

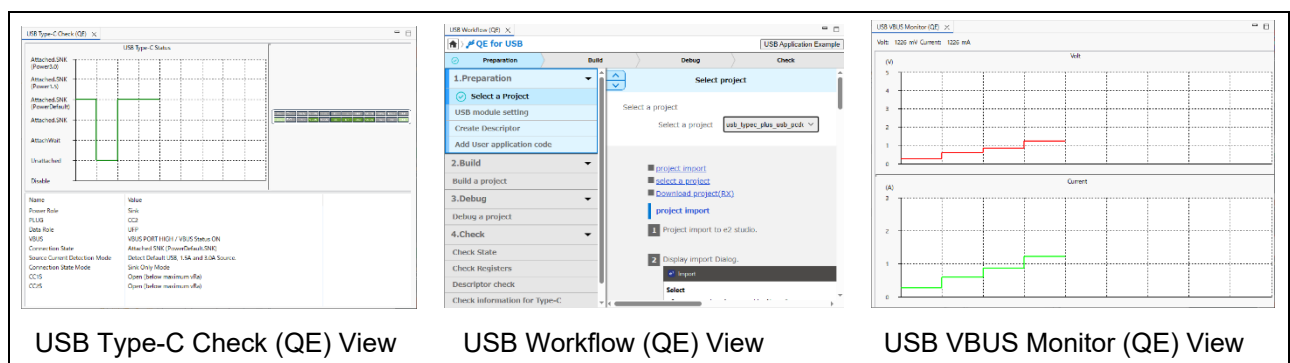Voltage: g_VbusMonitor_VsenseData　　　Current: g_VbusMonitor_IsenseData

USB Type-C Check (QE) View　　　USB Workflow (QE) View　　　USB VBUS Monitor (QE) View

Figure 1 New Features

2.2 Addition of Supported Devices

RA Family: RA2L2 group

3. Installing the Product

Download the installer for QE for USB V2.0.0 from the link below:

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

Revision History

Rev.	Date	Description	
		Page	**Summary**
1.00	Jun.20.25	-	First edition issued

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