[Upgrade to Revision]

Solution Toolkit QE for Capacitive Touch V4.2.0 Development Assistance Tool for Capacitive Touch Sensors

Outline

QE for Capacitive Touch, a development assistance tool for capacitive touch sensors, has been updated from V4.1.0 to V4.2.0.

1. Products to Be Updated

V4.1.0 of QE for Capacitive Touch, a development assistance tool for capacitive touch sensors

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 Capacitive Touch V4.2.0 Release Note

    https://www.renesas.com/document/rln/qe-capacitive-touch-v420-release-note

2.1 Improved Functionality

- Improvement of the sensor drive pulse frequency determined by automatic tuning (CTSU2)

    To improve SNR, the sensor drive pulse frequency determined by automatic tuning has been enhanced to be calculated with finer granularity.

- Addition of Emulator/Serial selection step to the workflow

    To clarify the operation flow for tuning and monitoring, an Emulator/Serial selection step has been added to the workflow.

2.2 Addition of Supported Devices

RL78 Family: RL78/L23

2.3 Issues Fixed

The notes in the following tool news have been fixed.

- RENESAS TOOL NEWS: R20TS1158EJ0100

    [Notes] e² studio 2025-07 not compatible with Reality AI Utilities, AI Navigator, QE for Capacitive Touch, QE for AFE and other QE products

3. Obtaining the Product

Download the installer for QE for Capacitive Touch V4.2.0 from the following URL:

https://www.renesas.com/qe-capacitive-touch#downloads

Revision History

Rev.	Date	Description	
		Page	**Summary**
1.00	Aug.05.25	-	First edition issued
1.10	Sep.05.25	1	Added RL78/L23 to Supported Devices

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