

Microcontroller Technical Information

<p style="text-align: center;">CubeSuite Integrated Development Environment Package Upgrade</p>		Document No.	ZMT-F35-11-0005	1/2
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		Issued by	MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation	
Related documents	None	Document classification		Usage restriction
			√	Upgrade
				Document modification
				Other notification

1. Target products and version

Product	Outline	Target Version
μSxxxxQS78K	CubeSuite, an integrated development environment package for 78K0 and 78K0R	Ver. 1.40 or earlier
μSxxxxQS850	CubeSuite, an integrated development environment package for V850	

Remark xxxx indicates CB17 or 000.

2. Upgrade details

The major revisions are shown below. For details, see the descriptions displayed in the CubeSuite Update Manager window or the *Operation Precautions* document installed with each product.

- The build tool CA78K0R has been upgraded from V1.02 to V1.10, which involves the following revisions:
 - (1) Four restrictions for Ver.1.02 have been removed.
 - (2) One caution item for Ver.1.02 has been removed.
 - (3) A ROMization feature compatible with self programming has been added.
 - (4) The RL78 family is now supported (but only devices that do not use extended instructions).
 - (5) Multiply and accumulate operations are now supported.
 - (6) Outputting the redundant line numbers for conditional expressions is now suppressed.
 - (7) How to register debug information that contains symbol names of 8 characters or more has been improved.

- The build tool CX has been upgraded from V1.10 to V1.11, which involves the following revisions:
 - (1) Two restrictions for Ver.1.10 have been removed.

- The stack usage tracer has been upgraded from V5.10 to V5.11, which involves the following revisions:
 - (1) CA78K0R Ver. 1.10 is now supported.

3. How to upgrade

- If the CD is not required: Free upgrade

Download and install the software by using the CubeSuite Update Manager. When using this method, the CD will not be delivered and the upgrade is free of charge.

To start the CubeSuite Update Manager, perform the following procedure:

Click **Start, NEC Electronics CubeSuite**, and then select **CubeSuite Update Manager**.

To use the CubeSuite Update Manager, CubeSuite must be installed. The license key provided with the purchased CubeSuite is required.

- If the CD is required: We are sorry but there is no CD available for upgrading to the latest version of CubeSuite.

4. Upgrade start date

The upgraded product has been downloadable and installable by using the CubeSuite Update Manager since March 11, 2011.