

Microcontroller Technical Information

CC78K0 78K0 C Compiler (for English/Japanese Version Windows) Upgrade	Document No.	ZMT-F35-10-0002	1/3
	Date issued	November 1, 2010	
	Issued by	MCU Tool Product Marketing Department MCU Software Division MCU Business Unit Renesas Electronics Corporation	
Related documents CC78K0 Ver. 4.10 Operating Precautions: ZUD-CD-10-0202	Document classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Product types and version

Product	Outline	Old Version	New Version
μSxx17CC78K0	78K0 C compiler package CC78K0	Ver. 4.00	Ver. 4.10

Product	Outline	Target Version
μSxx17SP78K0	78K0 software package SP78K0	Ver. 4.01

Remark xx indicates AB or BB.

2. Upgrade details

The major revisions in CC78K0 Ver. 4.10 are shown below. For details, see *CC78K0 Ver. 4.10 Operating Precautions* (ZUD-CD-10-0202) supplied with the product.

(1) Removal of usage restrictions

15 restrictions have been removed.

For details, see *78K0 C Compiler CC78K0 Usage Restrictions* (ZBG-CD-10-0024).

(2) Improvement of optimization

The bit field code has been improved.

(3) Addition of optimization option

The `-qg` option, which is used to prioritize debugging, has been added.

(4) Addition of an option used to specify 78K0 common objects

The `-common` option, which is used to specify 78K0 common objects, has been added.

(5) Addition of Assign tab to the PM+ Compiler Options dialog box

(6) Support of extended function registers (EFRs)

3. How to upgrade

(1) μ SAB17CC78K0 and μ SBB17CC78K0

- If the CD is not required: Free upgrade

Download the software from the **Development Tools Download** page. When using this method, the CD will not be delivered but the upgrade is free of charge.

English version: <http://www2.renesas.com/micro/en/ods/> → Click **Version-up Service**.

Japanese version: <http://www2.renesas.com/micro/ja/ods/>

- If the CD is required: Charged upgrade

Fill in the essential items in the attachment *Application for Software Product Charged Upgrade* and send it to a Renesas Electronics distributor or sales representative. When using this method, a fee will be charged for the upgrade and the CD will be delivered.

The part number to be entered in the form depends on the purchased product. The correspondence between the purchased product and the part number after upgrade is as follows:

Purchased Product	Part Number for Charged Upgrade
μ SAB17CC78K0	μ SAB17CC78K0-S
μ SAB17CC78K0-5	μ SAB17CC78K0-5-S
μ SAB17CC78K0-10	μ SAB17CC78K0-10-S
μ SAB17CC78K0-20	μ SAB17CC78K0-20-S
μ SAB17CC78K0-50	μ SAB17CC78K0-50-S
μ SBB17CC78K0	μ SBB17CC78K0-S
μ SBB17CC78K0-5	μ SBB17CC78K0-5-S
μ SBB17CC78K0-10	μ SBB17CC78K0-10-S
μ SBB17CC78K0-20	μ SBB17CC78K0-20-S
μ SBB17CC78K0-50	μ SBB17CC78K0-50-S

(2) μ SAB17SP78K0 and μ SBB17SP78K0

- Free upgrade (without the CD)

Download the upgraded software (CC78K0) from the **Development Tools Download** webpage. When using this method, the CD will not be delivered but the upgrade is free of charge. Because this is an upgrade of only one of the SP78K0 components, only the relevant tool is downloaded.

English version: <http://www2.renesas.com/micro/en/ods/> → Click **Version-up Service**.

Japanese version: <http://www2.renesas.com/micro/ja/ods/>

4. Upgrade start date

(1) Free upgrade (without the CD)

The upgraded product has been downloadable from the website since October 21, 2010.

(2) Charged upgrade (with the CD)

From November 1, 2010

Application for Software Product Charged Upgrade

Customers wishing to upgrade the product by using the charged upgrade (with the CD) are requested to fill out the following form and send it to a *Renesas Electronics distributor or sales representative*.

Upgrade Product	Version
CC78K0 (for Windows)	Ver. 4.10

Application cut-off date: January 31, 2011

To be filled in by customers _____

Part number	μ S__ __17CC78K0-
-------------	-----------------------

* Write the *part number of charged upgrade product* corresponding to the part number of the product being used. If multiple licenses have been purchased, be sure to write S and numbers after the hyphen.

Serial number (10 digits)	
---------------------------	--

* Write the 10-digit serial number indicated on the program product license or the CD case of the product. If you already upgraded your product, you received a new serial number. However, write the *serial number provided when the product was first purchased* in the above column.

Company name	
Department name	
Name of applicant	
E-mail address	
Date of application	

To be filled in by the distributor or Renesas Electronics sales representative _____

Name of distributor	
Person in charge	
Date of application	
Ordering code	

* The ordering code is required for the charged upgrade. Fill in the code that was used for inputting the order.