Microcontroller Technical Information

RA78K0R 78K0R Assembler Package (for English Version Windows) Upgrade	Document No.	ZBG-CD-09-0050	1/2
	Date issued	August 31, 2009	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	

Related documents RA78K0R Ver. 1.33 Operating Precautions: ZUD-CD-09-0058 RA78K0R Ver. 1.20 Language: U18546EJ1V0 (1st) RA78K0R Ver. 1.20 Operation: U18547EJ1V0 (1st)	Document classification		Usage restriction
		√	Upgrade
			Document modification
			Other notification

1. Product types and version

Product	Outline	Old Version	New Version
μSBB17RA78K0R	78K0R assembler package RA78K0R	Ver. 1.31	Ver. 1.33

Product	Outline	Target Version
μSBB17SP78K0R	78K0R software package SP78K0R	Ver. 1.20

2. Upgrade details

The major revision in RA78K0R Ver. 1.33 is shown below. For details, see *RA78K0R Ver. 1.33 Operating Precautions* (ZUD-CD-09-0058) supplied with the product.

(1) Increase of line number for segments that have same name

The maximum number of line number data items allowed for segments that have the same name and are defined in multiple files has been increased.

3. How to upgrade

    (1) μSBB17RA78K0R (English version)

        • If the CD is not required: Free upgrade

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

           URL: http://www.necel.com/micro/en/ods/ → Click "Version-up Service".

        • 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 an NEC 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
μSBB17RA78K0R	μSBB17RA78K0R-S
μSBB17RA78K0R-5	μSBB17RA78K0R-5-S
μSBB17RA78K0R-10	μSBB17RA78K0R-10-S
μSBB17RA78K0R-20	μSBB17RA78K0R-20-S
μSBB17RA78K0R-50	μSBB17RA78K0R-50-S

    (2) μSBB17SP78K0R (English version)

        • Free upgrade (without the CD)

        Download the upgraded software (RA78K0R) 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 SP78K0R components, only the relevant tool is downloaded.

           URL: http://www.necel.com/micro/en/ods/ → Click "Version-up Service".

4. Upgrade start date

    (1) Free upgrade (without the CD)

        The upgraded product has been downloadable from the website since August 26, 2009.

    (2) Charged upgrade (with the CD)

        From August 31, 2009

Application for Software Product Charged Upgrade

Customers wishing to upgrade the product by "Charged upgrade (with the CD)" are requested to fill out the following form and send it to **an NEC Electronics distributor or sales representative**.

Upgrade Product	Version
RA78K0R (for English Version Windows)	Ver. 1.33

Application cut-off date: December 18, 2009

[To be filled in by customers]

Part No. of charged upgrade product	μSBB17RA78K0R-

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

Serial No. (10 digits)	

* Write the 10-digit serial number indicated on the program product license or the CD case of the product. If you have already upgraded your product, you will have received a new serial number. However, write the <u>serial number provided when the product was first purchased</u> 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 NEC 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.