

Microcomputer Technical Information

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DF789136 78K0S Series Device File Upgrade		Document No.	SBG-DT-03-0301	1/2
		Date issued	December 12, 2003	
		Issued by	Microcomputer Group 2nd Solutions Division Solutions Operations Unit NEC Electronics Corporation	
Related documents	78K0S Series Device File DF789136 (V1.01) User's Manual: SUD-DT-03-0470-E	Document classification		Usage restriction
			√	Upgrade
				Document modification
				Other notification

1. Product types and version

Product	Outline	Old Version	New Version
μSxx13DF789136	78K0S Series device file DF789136	Ver. 1.00	Ver. 1.01
Product	Outline	Target Version	
μSxx17SP78K0S	78K0S Series software package SP78K0S	Ver. 1.00	

Note xx13 indicates AB13, BB13, or 3K13. xx17 indicates AB17 or BB17.

2. Details of upgrade

The major revisions from DF789136 Ver. 1.00 to 1.01 are shown below. For details, refer to "78K0S Series Device File DF789136 V1.01 User's Manual (SUD-DT-03-0470-E)" supplied with the product.

(1) Addition of the following devices

μPD789106A, 789116B, 789136B

(2) Change of type of file supplied with simulator from DLL-format file to database file

(3) Correction of SFR functions

<1> Deletion of EEPROM area

[Affected devices: μPD78F9116, 78F9116A, 78F9116B, 78F9136, 78F9136A, 78F9136B]

<2> Modification of R/W attribute in the following registers

- Bit 0 of ASIM20: Changed from R/W to read-only
- Bit 2 of ADS0: Changed from R/W to read-only

<3> Addition of protect information to the following registers

- TCL2, TMC20, TMC80, ASIM20, BRGC20, INTM0
- OSTs [Affected devices: μPD789101, 789101A, 789102, 789102A, 789104, 789104A, 789111, 789111A, 789112, 789112A, 789114, 789114A, 789144, 789146, 789154, 789156, 78F9116, 78F9116A, 78F9116B, 78F9156]

<4> Modification of protect information of the following registers

- ADM0 [Affected devices: Other than μPD789106A]
- BRGC20 [Affected devices: μPD78F9116B, 78F9156]

Remark "Protect information" is information that is used to check the accessible data patterns.

3. How to upgrade

(1) μ Sxx13DF789136

- When CD-ROM medium is not required: Free upgrade

Download the software through ODS (online delivery service). When using this method, the supply medium will not be delivered but the upgrade is free of charge.

Note Access the following URL.

<http://www.necel.com/micro/ods/eng/> (μ SBB13DF789136; English version)

<http://www.necel.com/micro/ods/jpn/> (μ SAB13DF789136; Japanese version)

- When CD-ROM medium is required: Charged upgrade

Fill in the essential items in the attachment "Application for Software Product Charged Upgrade" and submit it to a distributor or NEC Electronics sales representative. When using this method, a fee will be charged for the upgrade and the CD-ROM medium will be delivered.

The part number to be entered in the form varies depending 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 Sxx13DF789136	μ Sxx13DF789136-S

Note xx indicates AB or BB. (If the purchased product is 3K, please apply upgrade as either AB or BB.)

(2) μ Sxx17SP78K0S

- Free upgrade (without CD-ROM medium)

Download the upgraded software (DF789136) through ODS (online delivery service). When using this method, the CD-ROM medium will not be delivered but the upgrade is free of charge. Since this is an upgrade of only one of the components in the SP78K0S, only the relevant tool is downloaded.

Note Access the following URL.

<http://www.necel.com/micro/ods/eng/> (μ SBB13DF789136; English version)

<http://www.necel.com/micro/ods/jpn/> (μ SAB13DF789136; Japanese version)

4. Upgrade petition period

(1) Free upgrade (without CD-ROM medium)

The upgraded product can be downloaded through ODS from December 5, 2003.

(2) Charged upgrade (with CD-ROM medium)

From December 22, 2003

Application for Software Product Charged Upgrade

Customers wishing to upgrade the product by “Charged upgrade (with CD-ROM medium)” are requested to fill out the following form and submit it to a **distributor** or **NEC Electronics sales representative**.

Upgrade Product	Version
DF789136	Ver. 1.01

Application cut-off date: March 19, 2004

[To be filled in by customers]

Part No. of charged upgrade product	μ S_ _ 13DF789136-S
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* Write the part number of charged upgrade product corresponding to the part number of the product being used. Write any of AB or BB in the place of underbars.

Serial No. (10 digits)									
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* Write the 10-digit serial number indicated on the program product license or the CD-ROM case of the product. If the product has already been upgraded, a new serial number has been provided. 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 NEC Electronics sales representative]

Name of distributor	
Person in charge	
Date of application	

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