# Microcomputer Technical Information

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| | | Document No. | SBG-DT-03-0113-E | 1/2 |
|---|---|---|---|---|
| DF703114<br>Device File for V850E/IA2<br><br>Upgrade | | Date issued | May 16, 2003 | |
| | | Issued by | Microcomputer Group<br>2nd Solutions Division<br>Solutions Operations Unit<br>NEC Electronics Corporation | |
| Related<br>documents | DF703114 (V1.01) User's Manual:<br>SUD-DT-03-0128-E | Document<br>classification | | Usage restriction |
| | | | √ | Upgrade |
| | | | | Document modification |
| | | | | Other notification |

## 1. Product types and version

| Product | Outline | Old Version | New Version |
|---|---|---|---|
| μSxxxxDF703114 | Device file for V850E/IA2 DF703114 | Ver.1.00 | Ver.1.01 |

| Product | Outline | Target Version | |
|---|---|---|---|
| μSAB17SP850 | V850 Series software package SP850 | Ver.3.00 | |

**Note** xxxx indicates AB13, BB13, 3K13, 3K15, or 3P16.

## 2. Details of upgrade

The major revisions in DF703114 Ver.1.01 are shown below.  For details, refer to "V850E/IA2 Device File DF703114 Ver.1.01 User's Manual (SUD-DT-03-0128-E)" supplied with the product.

(1) Modification of peripheral I/O register W attributes

The following peripheral I/O register bit access R/W attributes have been modified.

DTFR0 (0x0fffff810), DTFR1 (0x0fffff812), DTFR2 (0x0fffff814), DTFR3 (0x0fffff816)

(2) Deletion of peripheral I/O register bit reserved word

The following peripheral I/O bit reserved words have been deleted.

IFC00 (bit 0 of DTFR0), IFC01 (bit 1 of DTFR0), IFC02 (bit 2 of DTFR0), IFC03 (bit 3 of DTFR0), IFC04 (bit 4 of DTFR0), IFC05 (bit 5 of DTFR0), IFC10 (bit 0 of DTFR1), IFC11 (bit 1 of DTFR1), IFC12 (bit 2 of DTFR1), IFC13 (bit 3 of DTFR1), IFC14 (bit 4 of DTFR1), IFC15 (DTFR1 bit 5 of), IFC20 (bit 0 of DTFR2), IFC21 (bit 1 of DTFR2), IFC22 (bit 2 of DTFR2), IFC23 (bit 3 of DTFR2), IFC24 (bit 4 of DTFR2), IFC25 (bit 5 of DTFR2), IFC30 (bit 0 of DTFR3), IFC31 (bit 1 of DTFR3), IFC32 (bit 2 of DTFR3), IFC33 (bit 3 of DTFR3), IFC34 (bit 4 of DTFR2), IFC35 (bit 5 of DTFR3)

(3) Modification of member information of interrupt control register

The following member information of the interrupt control register has been modified.

CM00IC1 (0xfffff17E), CM01IC1 (0xfffff180), CM02IC1 (0xfffff182), CM04IC1 (0xfffff184), CM05IC1(0xfffff186), CM04IC0 (0xfffff188), CM05IC0 (0xfffff18A)

3. How to upgrade

(1) When the 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/

(2) When the 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 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 |
|---|---|
| $\mu$SxxxxDF703114 | $\mu$SxxxxDF703114-S |

**Note** xxxx indicates AB13, BB13, 3K13, 3K15, or 3P16.

4. Upgrade petition period

(1) Free upgrade (Windows version, without medium)

The upgraded product can be downloaded through ODS from May 23, 2003.

(2) Charged upgrade (Windows version, with medium)

From May 23, 2003

## Application for Software Product Charged Upgrade

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

| Upgrade Product | Version |
|---|---|
| DF703114 | Ver.1.01 |

## Application cut-off date: August 29, 2003

[To be filled in by customers]

| Part No. of charged upgrade product | $\mu$S __ __ __ __ DF703114-S |
|---|---|

* Write the <u>part number of charged upgrade product</u> corresponding to the part number of the product being used.  Write any of AB13, BB13, 3K13, 3K15, or 3P16 in the place of underbars.

| Serial No. (10 digits) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|

* Write the 10-digit serial number indicated on the program product license or the case of the product.  If the product has already been upgraded, a new serial number has been provided.  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 | |

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