

CUSTOMER NOTIFICATION

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## **Device File for V850ES/SJ2**

### **DF703288 (V1.10)**

## **User's Manual**

[Supported machines/OS]

PC-9800 Series (Windows™ Based)

IBM PC/AT™ Compatibles (Windows Based)

Be sure to read this document before using the product.

## CONTENTS

1. OUTLINE .....	3
2. CONTENTS OF PACKAGE .....	3
3. USER ENVIRONMENT.....	4
4. CORRESPONDING VERSIONS OF DEVELOPMENT TOOLS .....	5
5. INSTALLATION .....	5
6. USAGE .....	6
7. RELATED DOCUMENTS .....	6
8. REVISION HISTORY .....	6

## 1. OUTLINE

A device file is a binary file that contains device-dependent information and is prepared for each device model or for each product in the same series.

Device files are commonly used with development tools (such as compilers and debuggers). Employing device files enables generation and debugging of device-unique codes. In addition, when developing applications, device files enable the peripheral I/O register names unique to the device being used to can be used for programming.

The DF703288 contains device files necessary for developing applications using the V850 Series V850ES/SJ2.

## 2. CONTENTS OF PACKAGE

The device files included in this product and the corresponding devices are as follows.

**Table 2-1. Contents of Package (1/2)**

Types	Device File Name	Corresponding Device Name	Device Specification Name	Version
Device file	D3264.800	$\mu$ PD703264	3264	V1.00
	D3264Y.800	$\mu$ PD703264Y	3264y	V1.00
	D3265.800	$\mu$ PD703265	3265	V1.00
	D3265Y.800	$\mu$ PD703265Y	3265y	V1.00
	D3266.800	$\mu$ PD703266	3266	V1.00
	D3266Y.800	$\mu$ PD703266Y	3266y	V1.00
	D3274.800	$\mu$ PD703274	3274	V1.00
	D3274Y.800	$\mu$ PD703274Y	3274y	V1.00
	D3275.800	$\mu$ PD703275	3275	V1.00
	D3275Y.800	$\mu$ PD703275Y	3275y	V1.00
	D3276.800	$\mu$ PD703276	3276	V1.00
	D3276Y.800	$\mu$ PD703276Y	3276y	V1.00
	D3284.800	$\mu$ PD703284	3284	V1.10
	D3284Y.800	$\mu$ PD703284Y	3284y	V1.10
	D3285.800	$\mu$ PD703285	3285	V1.10
	D3285Y.800	$\mu$ PD703285Y	3285y	V1.10
	D3286.800	$\mu$ PD703286	3286	V1.10
	D3286Y.800	$\mu$ PD703286Y	3286y	V1.10
	D3287.800	$\mu$ PD703287	3287	V1.10
	D3287Y.800	$\mu$ PD703287Y	3287y	V1.10
	D3288.800	$\mu$ PD703288	3288	V1.10
	D3288Y.800	$\mu$ PD703288Y	3288y	V1.10

**Table 2-1. Contents of Package (2/2)**

Type	Device File Name	Corresponding Device Name	Device Specification Name	Version
Device file	DF3264.800	$\mu$ PD70F3264	f3264	V1.10
	DF3264Y.800	$\mu$ PD70F3264Y	f3264y	V1.10
	DF3266.800	$\mu$ PD70F3266	f3266	V1.00
	DF3266Y.800	$\mu$ PD70F3266Y	f3266y	V1.00
	DF3274.800	$\mu$ PD70F3274	f3274	V1.10
	DF3274Y.800	$\mu$ PD70F3274Y	f3274y	V1.10
	DF3276.800	$\mu$ PD70F3276	f3276	V1.00
	DF3276Y.800	$\mu$ PD70F3276Y	f3276y	V1.00
	DF3284.800	$\mu$ PD70F3284	f3284	V1.10
	DF3284Y.800	$\mu$ PD70F3284Y	f3284y	V1.10
	DF3286.800	$\mu$ PD70F3286	f3286	V1.00
	DF3286Y.800	$\mu$ PD70F3286Y	f3286y	V1.00
	DF3288.800	$\mu$ PD70F3288	f3288	V1.00
	DF3288Y.800	$\mu$ PD70F3288Y	f3288y	V1.00

The Device Specification Name is used as the character string specified with the CA850 compile option `-cpu`, the `#pragma cpu` directive in source programs, and the `.option quasi` directive. Use lowercase letters for specification.

### 3. USER ENVIRONMENT

Like development tools, device files are available for Windows.

User environment for device files is as follows.

Machine	Operating System
PC-9800 series, IBM PC/AT compatible machines	Windows NT 4.0
	Windows 98
	Windows 2000
	Windows Me
	Windows XP

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PC/AT is a trademark of International Business Machines Corporation.

#### 4. CORRESPONDING VERSIONS OF DEVELOPMENT TOOLS

The corresponding versions of the DF703288 and V850 Series development tools made by NEC Electronics are shown below. Use these tools in the following combinations.

Tool Used	Version of Corresponding Tool
CA850 C compiler package	V2.50 or later
ID850 Integrated debugger	V2.51 or later
ID850NWC Integrated debugger	V2.52 or later

#### 5. INSTALLATION

Device files are included on one floppy disk. Use the device file installer (DFINST) included in the NEC Electronics development tools (CA850, ID850, and ID850NWC) to install the device file.

**Note** A self-extraction file (an execution file) is downloaded along with device files with ODS (on-line delivery service). If this file is executed, a disk image is created. Copy this to hard disk or to a floppy disk and then begin the installation process.

The installation procedure is explained below.

- (1) Start Windows.
- (2) Start the device file installer (DFINST). If the NEC Electronics development tool has been installed in the standard directory, the device file installer will be in *installed drive\Nectools32\bin*.
- (3) If installing from the floppy disk, insert the floppy disk in the floppy disk drive.
- (4) Click the **Install** button.
- (5) If installing from the floppy disk, use the **FD Browse** button to display the path where the disk image (icon) is located. Use the **Browse** button to do this if installing from hard disk.
- (6) Necsetup.ini file and \_csetup.ini file are displayed in the file list of the dialog box that appears after step (5). Select \_csetup.ini to install the English version and Necsetup.ini to install the Japanese version.
- (7) Follow the installation wizard to continue installation.

## 6. USAGE

Refer to the user's manual of each tool listed in **7. RELATED DOCUMENTS** for details of how to use the device file.

## 7. RELATED DOCUMENTS

The documents related to the DF703288 are listed below.

User's Manuals
V850ES/SJ2 Hardware
V850ES Architecture
CA850 C Compiler Package Operation
CA850 C Compiler Package C Language
CA850 C Compiler Package Assembly Language
CA850 C Compiler Package PM plus
ID850 Operation User's Manual
ID850NWC Operation User's Manual
V850 Series Development Tools Tutorial Guide (Windows Base)

## 8. REVISION HISTORY

### 1. V1.00

(1) First edition

### 2. V1.10

Additions of device files that support the following devices

$\mu$ PD703264, 703264Y, 703265, 703265Y, 703266, 703266Y, 703274, 703274Y, 703275, 703275Y, 703276, 703276Y, 703284, 703284Y, 703285, 703285Y, 703286, 703286Y, 703287, 703287Y, 703288, 703288Y, 70F3264, 70F3264Y, 70F3274, 70F3274Y, 70F3284, 70F3284Y