

CUSTOMER NOTIFICATION

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DF789835 V1.00 Device File for 78K0S Series

User's Manual

PC-9800 Series (Windows™) based
IBM PC/AT™ and Compatibles (Windows™) based

Be sure to read this document before using the product.

CONTENTS

1. OVERVIEW	3
2. DEVICE FILE TYPES AND VERSIONS	3
3. HOST MACHINE AND SUPPLY MEDIUM	4
4. TARGET DEVICES AND REQUIRED DEVICE FILES	4
5. SUPPORTED DEVELOPMENT TOOLS	5
6. INSTALLATION.....	6
7. REVISION HISTORY	6

1. OVERVIEW

The DF789835 is a collection of device files that include the μ PD789835 Subseries-specific information and programs required for developing application programs for this subseries using NEC Electronics development tools.

2. DEVICE FILE TYPES AND VERSIONS

The types and versions of the device files included in this product are shown in Table 2-1 below.

Table 2-1. Device File Types and Versions

Type	File Name	Version
Common devices files	D9832.78K	V1.00
	D9833.78K	V1.00
	D9834.78K	V1.00
	D9835.78K	V1.00
	DF9835.78K	V1.00
	D9832A.78K	V1.00
	D9833A.78K	V1.00
	D9834A.78K	V1.00
	D9835A.78K	V1.00
FPGA data file	–	–
Database files	S9832.78K	V2.01
	S9833.78K	V2.01
	S9834.78K	V2.01
	S9835.78K	V2.01
	SF9835.78K	V2.01

Common devices files

These files are used commonly by development tools (assembler, compiler, integrated debugger, system simulator, etc.).

FPGA data file

This file is required when using the integrated debugger in some devices.

This file is not included in this device file.

Database files

These files are required when using the system simulator.

Installation of database files can be selected when installing the DF789835.

3. HOST MACHINE AND SUPPLY MEDIUM

The supply medium and recording format differ depending on the host machine used, as shown in Table 3-1 below.

Table 3-1. Supply Medium and Recording Format

Host Machine	OS	Supply Medium	Recording Format
PC-9800 series IBM PC/AT and compatibles	Windows 98/2000/NT4.0/XP	3.5" 2HD FD	MS-DOS

[Caution]

When acquiring a device file by downloading it from the online delivery service (ODS), the downloaded file will have a self-extracting format (EXE format). Execution of this file creates a disk image.

4. TARGET DEVICES AND REQUIRED DEVICE FILES

The device file required for each target device and the device specification are shown in Table 4-1 below.

Table 4-1. Devices and Required Device Files

Target Device	Device Specification Name	Required Device File	Database File
μ PD789832	9832	D9832.78k	S9832.78k
μ PD789832A	9832A	D9832A.78k	
μ PD789833	9833	D9833.78k	S9833.78k
μ PD789833A	9833A	D9833A.78k	
μ PD789834	9834	D9834.78k	S9834.78k
μ PD789834A	9834A	D9834A.78k	
μ PD789835	9835	D9835.78k	S9835.78k
μ PD789835A	9835A	D9835A.78k	
μ PD78F9835	F9835	DF9835.78k	SF9835.78k

Device specification

Use as shown below.

- Specify as the option argument of the assembler or C compiler's device type specification option as follows: [-C *device specification*] (e.g. -C9835 in the case of the μ PD789835)
- Specify in the assembler source as follows: [\$PROCESSOR (*device specification*)]
- Specify in the C source as follows: [#pragma pc (*device specification*)]

5. SUPPORTED DEVELOPMENT TOOLS

The development tools supported by the DF789835 are shown in Table 5-1 below.

Table 5-1. Supported Development Tools

Development Tool		Supported Version
Assembler	RA78K0S	V1.30 or later
C compiler	CC78K0S	V1.30 or later
Integrated debugger	ID78K0S-NS	V2.31 or later
System simulator	SM78K0S	V2.30 or later

6. INSTALLATION

Installation is performed using the device file installer.

The device file installer is automatically installed with the installation of an NEC Electronics development tool.

- Notes**
1. The device file installer is not included in development tools older than those listed in Table 5-1. When using an older tool, upgrade and install the latest version of the development tool first.
 2. When acquiring a device file by downloading it from the online delivery service (ODS), the downloaded file will have a self-extracting format (EXE format). Execution of this file creates a disk image. Copy the disk image to the hard disk or FD before installing the device file.

- (1) The device file installer is activated by selecting [Program] → [NEC Tools32] → [Device file installer] from the Start menu.
- (2) Click the [Install...] button to the right of [Device File Package] in the Device File Installer window to open the [Install Wizard: Install information file].
- (3) Specify the install information file and click the [Next >] button.

The installation data file indicates the setting files that are included in the device file product.

Use either of the following the install information files in accordance with the language environment.

Japanese environment: Necsetup.ini

Other than Japanese environment: _csetup.ini

- (4) Continue installing the device file following the directions of the Installation Wizard.

7. REVISION HISTORY

The device file revision history is shown in Table 7-1 below.

Table 7-1. Revision History

Version	Description
V1.00	First edition