

To our customers,

Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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(Note 2) “Renesas Electronics product(s)” means any product developed or manufactured by or for Renesas Electronics.

Be sure to read this note.

720 Series Emulator Debugger M3T-PD72M V.1.00 Release 02 Release note 1st Edition

Renesas Solutions Corporation
July 16 2006

Abstract

Welcome to M3T-PD72M V.1.00 Release 02 (called PD72M).

This material explains the contents of this software, installation procedure, and supplements to the user's manual and help. When using this software, please take a look at this release note as well as the user's manual.

Also, this document contains a License Agreement in the last. Please read it before using. By using the software, you are accepting and agreeing to such terms.

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1. Components of the Product

The following files comprise the package of PD72M V.1.00 Release 02 (English version).

■ Contents of the CD-ROM

1. Files of installer for PD72M

The following files are installed after running the installer for PD72M.

(1) Programs and concerned files

- pd72m.exe V.1.00.01
- pd72mdll.dll V.1.00.01
- communi.dll V.2.01.05
- asm72.exe V.1.20.02C
- crf72.exe V.1.01.01C
- branch.exe V.1.01.00

● MCU Data Files

m34282m1.dat	m34282m2.dat
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- m342xxa1.c0 (The following files)

M34200A1.c0

- m342xx.dbg (The following files)

M34282.dbg

- pd72m.fwi
- pd72m.chm

(2) Electronic Files

M3T-PD72M V.1.00 Release 02 Release Note	pd72mne.pdf
M3T-PD72M V.1.00 User's manual	pd72mue.pdf
ASM72 V.1.20 User's Manual	asm72ue.pdf

(3) The device drivers for the USB interface

- MUsbDrv.sys
- MUsbDrv.inf

The device drivers for the USB interface are copied to the 'drivers' directory under the installation target director (ex: c:\¥mtool¥pd72m¥drivers). And you need to install them when you use the USB interface.

2. HTML Help Update Component

You may need HTML Help Update Component (Microsoft Incorporated products) to browse HTML Help Files (.CHM). Install and update this component in your system, if you can't open help for PD72M.(NOTE: You need restart your system after the installing)

■ Release Note for M3T-PD72M V.1.00 Release 02 (This note)

This note contains "Software User License Agreement".

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| <ul style="list-style-type: none"> ● If any of the above is missing, contact either Renesas Technology Corporation's office or its distributor from which you purchased the product. ● Please read a License Agreement before using. By using the software, you are accepting and agreeing to such terms. |
|---|

2. Operating Environment

PD72M require the following system specification.

Table 1: The Host Machine Requirements

Host Machine	IBM PC/AT and its compatibles
Operating System	Windows Me Windows 98 Windows XP Windows 2000
CPU	Pentium 233MHz or higher CPU is recommended.
Memory	128MB or more system memory is recommended.

3. Installation

[Notes for Windows XP/2000]

Make sure that installer is executed by one who is authorized as an Administrator. No one but the user who has the authority of an Administrator can install the PD72M.

3.1 To Install PD72M V.1.00 Release 02

3.1.1 To install PD72M

Please install the Installing the debugger to the following procedures.

1. Start of installer
Please execute "Setup.exe", which is in the ¥PD72M¥WIN95E folder of the product CD-ROM, from Explorer or any other launcher program.
2. Display of product license
The "Software License Agreement" dialog box displays the content of the license agreement. Please read the content of the contract.
3. Input of user information
In "Customer Information" dialog box, please input your information (License User, Belong To, Your Addresses, and PC types).
4. Selection of component
In "Select Components" dialog box, please select the components to install. You can change the directory to install in this dialog box.
5. End of the installer
The installation of PD72M is complete, when the dialog box which indicates "Setup is complete".

3.2 To Install HTML Help Update Component

The Online Help for PD72M is offered as a HTML Help file. Internet Explorer 4.0 or later is necessary to browse HTML Help files.

If you can't browse HTML Help files, you need install Internet Explorer 4.0 or later, or install HTML Help Update Component, or Install both of them.

HTML Help Update Component (HHUPD.EXE) is appended below "Utility" folder of this product disk. This component can be downloaded from the home page of Microsoft co.

URL for MSDN: <http://msdn.microsoft.com/>

3.3 To Install Acrobat Reader

The manual of PD72M is offered as an electronic manual. Acrobat Reader is necessary to refer to an electronic manual. Acrobat Reader can be downloaded from the home page of the Adobe Systems incorporated products.

URL for Adobe Systems Incorporated: <http://www.adobe.co.jp/>

3.4 To install USB device driver

Install the USB device driver when you first use the emulator via USB interface. The following shows the procedure for installing it.

1. Connect the host computer and the compact emulator with USB cable.
2. Turn on the power to the compact emulator.
3. The USB devices connected are detected by Windows' Plug & Play function. The wizard for the USB device installation starts.

Go on following the wizard, and dialog box for specifying the setup information file (inf file) is displayed. Specify the musbdrv.inf file stored in a location below the directory where the PD72M is installed (e.g., c:\¥mtool¥pd72m¥drivers).

[NOTES]

- Before USB device drivers can be installed, the PD72M you use must already be installed. Install the PD72M first.
- USB communication can only be used in Windows Me/98/2000/XP, and cannot be used in any other OSs.
- When using Windows 2000/XP, make sure USB device drivers are installed by a user with administrator rights.
- During installation, a message may be output indicating that the device driver proper musbdrv.sys cannot be found. In this case, specify the musbdrv.sys which is stored in the same directory, as is the musbdrv.inf file.

4. Technical Support

4.1 Technical Support by E-mail

The text file for the technical support is created to the start menu. Please fill in it and send it to your nearest Renesas office or its distributor by E-mail. To open the text file for technical support, please select the following menu:

Windows Menu [Start]->[Program]->[RENEASAS-TOOLS]->[PD72M V.x.xx Release x]->[Technical Support Sheet]

4.2 Technical Support by FAX

Please fill in the "Technical Support Sheet", and send it to your nearest Renesas office or its distributor by FAX.

[A Request Concerning Technical Support]

We appoint the types of host machines (IBM PC/AT and compatibles, for example) as an operation environment for using our software tools. This does not guarantee operation on all the types of the host machines or in any environment of them (device drivers, peripheral units, etc.), but merely for indicating an operation environment we assume (to be put to our support). If a trouble should occur in using the software tools in the operation environment we appointed, we offer a technical support to solve the trouble (correct the defective condition, inform a way of avoiding the trouble, and so forth).

If a trouble that occurred in your environment cannot be reproduced in our operation environment, we may ask a favor of you to solve the trouble (we may borrow your equipment with your approval). We would like to obtain your prior approval.

4.3 Technical support by Homepage

Our homepage in the following URL provides datasheets, Tool News, FAQ and the other information of our products.

Renesas Microcomputer Developer Tools Home Page:

<http://www.renesas.com/en/tools>

Another access is:

Windows Menu [Start]->[Program]->[RENEASAS-TOOLS]

-> [(Link Page for) RENESAS Tools HomePage]

5. Notes

5.1 The FILE Command

If a downloaded program is made up of two or more source files, and one of those source files (xxxx) has been deleted, executing the following command

FILE filename

may result in the following error message being displayed regardless of whether the specified file exists.

"File xxxx not found."

In this case, either restore the deleted file or use the View button in the Program Window to display the source file.

5.2 File operation on Windows

PD72M/ASM72/CRF72/BRANCH runs under Windows Me/98 and Windows 2000, but the following points should be noted:

1. File names and directory names
 - PD72M/ASM72/CRF72/BRANCH does not support long file names. Files must be named according to MS-DOS naming convention (8.3). You therefore cannot specify long file names or file names that include two or more periods.
 - File names and directory names including blank characters cannot be specified.
2. About specifying files and directories
 - “...” (Two levels upper directories) cannot be specified.
 - Network path names cannot be specified. To specify network path names, set drives.

5.3 Treatments of Files and Directories

PD72M runs under Windows Me/98, Windows XP/2000, but the following points should be noted:

1. Operation is not guaranteed if your directory names and filenames include kanji.

6. Version Report

This section describes the history of the modifications to this software.

6.1 PD72M V.1.00 Release 02

In this version, the following specifications were changed from former version PD72M V.1.00 Release 1.

6.1.1 Revision of Restriction

- In the stack overflow detecting function of the hardware break, the problem of detecting the stack overflow was repaired though stack register SK of MCU did not exceed Maximum level.

6.2 PD72M V.1.00 Release 1

This is the first version of PD72M.

[Memo]

7. License Agreement

IMPORTANT

This contract is a legally valid agreement concluded regarding our software products between the purchaser (limited to corporations) and Renesas Solutions Corporation. This contract is assumed to have been effected upon installation of the software product by the purchaser, an act by which the purchaser is assumed to have accepted the conditions set forth herein.

Software User License Agreement

The purchaser (hereafter called the "Purchaser") and Renesas Solutions Corporation (hereafter referred to as "Licensor") do hereby agree to the terms and conditions as specified in this Software User License Agreement (hereafter referred to as "Agreement") concerning the enclosed software and its explanatory manuals.

Article 1. Definition of Terms

1. The terms used in this contract shall be construed as defined below.
 - (1) The "Software Product" refers to the software product provided by Licensor (product name: M3T-PD72M as called by Licensor) that is comprised of the following:
 - (a) The "Program" refers to the program that has the functions to control the Licensor's emulator system.
 - (b) The "Manual" refers to technical data (including user's manuals, etc.) associated with the program, which are provided by means of electronic documents or printed material.
 - (2) The "Designated System" refers to the computer system managed and owned by the Purchaser, in which the Software Product is installed and run.

Article 2. Granting of License

1. Licensor grants the Purchaser the following non-transferable, non-exclusive rights free of charge:
 - (1) To install the Software Product in the Designated System for the purpose of controlling the Emulator. However, no limitations are imposed on the quantity of the Software Product that the Purchaser can use at the same time.
 - (2) To print the electronic documents included with the Manual to a printing device for the purpose of using the Software Product in conformity with paragraphs (1) above.
 - (3) The Purchaser can duplicate the Software Product to produce one and only one copy of it for backup purposes.
2. When the Purchaser has installed or duplicated the Software Product in accordance with the foregoing, the Purchaser shall keep an appropriate record describing the number of duplicates of all of the Software Product owned, the location where they are stored, and the Designated System in which the Software Product was installed. When requested by Licensor, the Purchaser must promptly disclose said record to Licensor.
3. For only the rights explicitly stipulated under this contract, Licensor grants use of the Software Product to the Purchaser. Except the rights for the Software Product that are expressly granted under this contract, Licensor does not grant the Purchaser the license or the right of using or utilizing anything based on Licensor's patent rights, utility models, design rights, trademark rights, copyrights, semiconductor circuit arrangement utilization rights, and trade secrets.

Article 3. Limitations

1. Unless granted under this contract, the Purchaser cannot transfer the right of using the Software Product under this contract, nor can the Purchaser use, duplicate, transfer, rent or otherwise dispose the Software Product or grant sublicenses to any third parties. However, if handling of the Software Product in ways other than granted under this contract is wished by the Purchaser and Licensor recognizes it as necessary, such handling may be determined separately from this contract by consultation between the two parties.
2. The Purchaser cannot remove copyright indications from the Software Product and its duplicates.
3. The Purchaser cannot reverse-engineer, decompile, or disassemble the Software Product.
4. The Purchaser cannot print the electronic documents included with the Software Product to a printing device

in an attempt to use printout for commercial purposes.

5. The provisions set forth in this article remain effective even after this contract terminates.

Article 4. Rights to the Software Product

1. All copyrights to the Software Product belong to Licensor. No articles and clauses in this contract convey the whole or part of said copyrights to the Purchaser.
2. The provisions set forth in this article remain effective even after this contract terminates.

Article 5. Support

1. Regarding the Software Product, Licensor provides technical support to the Purchaser in the manner deemed appropriate by Licensor.
2. When the Purchaser wishes to upgrade the Software Product, the Purchaser will be notified of upgrading procedures separately from this contract through Licensor's home page or by other means deemed appropriate by Licensor. Licensor may claim payment for the cost needed for upgrading from the Purchaser.

Article 6. Exemption Clause for Licensor

1. What is stipulated in Article 5 of this contract is the only responsibility Licensor shall assume under this contract. Article 5 only explicitly stipulates the responsibility of Licensor under this contract, so that whatever damages the Purchaser may suffer from the Software Product or use of it by the Purchaser, Licensor will not provide the Purchaser with any guarantee or any warrant at all. It is expected that the Purchaser assumes responsibility and bears the cost for problems that may occur with respect to the Software Product.
2. The provisions set forth in this article remain effective even after this contract terminates.

Article 7. Secrecy

1. Regarding the Software Product and this contract, the Purchaser shall keep in secret the information that has been disclosed to the Purchaser by Licensor after designating it to be secret (which includes the Software Product, hereafter called the "Secret Information") and shall not disclose or leak the whole or part of it to any third parties. It can only be used to control the Licensor's emulator system, and not for any other purpose.
2. The forgoing obligation does not apply to the following:
 - (1) The information that the Purchaser already owned when it received the Secret Information
 - (2) The information that was already known when the Purchaser received the Secret Information
 - (3) The information that became known for reasons for which the Purchaser is not responsible after the Purchaser received the Secret Information
 - (4) The information that the Purchaser originally developed without any references to the Secret Information
 - (5) The information that the Purchaser is requested to disclose by administrative agencies or courts of law. In this case, however, the Purchaser shall, prior to disclosure, inform Licensor in writing in order to provide Licensor with opportunities to make a complaint against the said disclosure.
3. The provisions set forth in this article remain effective for three years after this contract terminates.

Article 8. Contract Period and Termination

1. This contract becomes effective at the time the Purchaser has installed the Software Product and remains effective until it terminates for reasons stipulated below.
2. When the Purchaser terminated the right of use under this contract by notifying Licensor of it in writing one month earlier.
3. When the Purchaser violates one of the clauses in this contract, and said violation remains uncorrected more than 30 days after the Purchaser received a written notice from Licensor requesting that said violation be corrected.
4. When the Purchaser or Licensor falls under the application of any one of the following:
 - (a) When the Purchaser or Licensor received a petition for attachment, provisional attachment, provisional disposition, compulsory execution, or public auction, or a petition for the commencement of bankruptcy, special liquidation, civil resuscitation, corporate liquidation, or company reorganization and rehabilitation procedures, or Purchaser or Licensor themselves plead for the above.
 - (b) When the Purchaser or Licensor received an administrative disposition from the competent authorities to the effect that its business be closed or its business license or business registration be canceled.
 - (c) When the Purchaser or Licensor adopted a resolution to discontinue or change business or dissolve the company.
 - (d) When the Purchaser or Licensor received a disposition from a relevant clearinghouse to the effect that its transactions of bills in that clearinghouse be stopped.
 - (e) When the Purchaser or Licensor committed a breach of faith, has had its financial situation worsened, or had a good reason to justify the doubt about that.
5. Notwithstanding the above provisions, even when this contract has terminated, if any different period is stipulated in one of the clauses of this contract, it shall have priority.

Article 9. Obligations after Termination of This Contract

1. When this contract has terminated, the Purchaser must discard the Software Product, the duplicates of the Software Product created based on this contract, and all instances of the Software Product installed in the Designated System within 15 days from the date of termination. When requested by Licensor, the Purchaser shall supply a document attesting to that effect to Licensor within one month after the request.

Article 10. Other

1. Matters not stipulated in this contract and doubts arising between the Purchaser and Licensor shall be settled by consultation between the two parties.
2. If an attempt to solve the foregoing by mutual consultation fails, giving rise to a dispute between the Purchaser and Licensor, it shall be solved through a legal procedure before a court that is designated as the competent court by Licensor.
3. The provisions set forth in this article remain effective even after this contract terminates.

**LICENSEE ACKNOWLEDGES THAT LICENSEE HAS READ THIS AGREEMENT
AND AGREES TO ALL TERMS AND CONDITIONS STATED HEREIN.**

Renesas Technology Corp.