

To our customers,

Old Company Name in Catalogs and Other Documents

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

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Renesas Electronics Corporation

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M30850T2-CPE Release Notes - Read this before using this product -

Renesas Solutions Corp.

Thank you for purchasing the M30850T2-CPE compact emulator. This document contains the information necessary for using this product. Be sure to read this before using the product.

Introduction

The M30850T2-CPE is a compact emulator for the M32C/84, 85 and 86 Groups of Renesas 16-bit MCUs. This product consists of the following three products.

- (1) Emulator M30850T2-CPE
Compact emulator (board) for the M32C/84, 85 and 86 Groups.
- (2) M32C Compact emulator debugger V.1.00 Release 01
Control software specifically designed for the M30850T2-CPE emulator.
- (3) C compiler: M3T-NC308WA V.5.20 Release 02 (evaluation version)
This version is a limited version of the C compiler M3T-NC308WA V.5.20 Release 02 (evaluation version) for the M32C/90, M32C/80, M16C/80 and M16C/70 Series. The evaluation version compiler is functionally equivalent to the professional version for 60 days after it is installed, but after the lapse of this period its use is limited to 64KB. Therefore, please choose to purchase a professional version before this period expires or continue using the free compiler as a limited version. Technical support and upgrade service are not provided with the M3T-NC308WA (evaluation version).

Setup Guide

For details, refer to...

- | | |
|---|---|
| 1. Check the contents | >> "Package Components" (right) |
| ▼ | |
| 2. Register your M30850T2-CPE | >> H/W Tool Customer Registration Sheet |
| ▼ | |
| 3. Install emulator debugger and compiler | >> "Installing the Included Software Products" (next page) |
| ▼ | |
| 4. Setup hardware | >> M30850T2-CPE User's Manual "Chapter 2. Setup" |
| ▼ | |
| 5. Turn on the emulator | >> M30850T2-CPE User's Manual "Chapter 2. Setup" |
| ▼ | |
| 6. Startup the High-performance Embedded Workshop and emulator debugger | >> M30850T2-CPE User's Manual "Chapter 3. Usage" |
| ▼ | |
| 7. For usage of each product | >> For the M30850T2-CPE, refer to the "M30850T2-CPE User's Manual".
>> For the M3T-NC308WA and emulator debugger, refer to each online manual which is installed with the product. |

Package Components

Check to see if your product package contains all of the following items before using the product.

1	M30850T2-CPE emulator main unit	1
	Oscillator circuit board OSC-3 (32MHz, mounted on the M30850T2-CPE)	1
2	Oscillator circuit board OSC-2 (only J1 mounted)	1
3	USB interface cable	1
4	Power cable (prepare the power supply separately)	1
5	Ferrite core	1
6	H/W Tool Customer Registration Sheet (English)	1
7	H/W Tool Customer Registration Sheet (Japanese)	1
8	M30850T2-CPE Release Notes (this document)	1
9	M30850T2-CPE Release Notes (Japanese)	1
10	M30850T2-CPE User's Manual (English)	1
11	M30850T2-CPE User's Manual (Japanese)	1
12	CD-ROM - M32C Compact emulator debugger V.1.00 Release 01	1
	- C compiler M3T-NC308WA V.5.20 Release 02 (evaluation version)	

If any of these items are missing or found faulty, please contact your local distributor.

Notes on Using This Product

- (1) When the JP1 is set to VCC1>VCC2, the voltage of VCC2 on the user system should be 3.3V or more.
- (2) If using a CPU clock of more than 30MHz when the voltage of VCC1 is higher than that of VCC2, set the SFR area of the intelligent I/O function to 2wait (set the PM13 bit to "1") when reading this area.
- (3) When using this compact emulator, you cannot use the page mode function for a ROM-less version of M32/84 Group.
- (4) In the M32C Compact emulator debugger V.1.00 Release 02 or earlier version, "Debug the program using the Watchdog Timer" check box setting of the MCU tab in the Init dialog is ignored. When debugging the program with the Watchdog Timer, execute the command below in the Script Window after starting the debugger.

[Command] WDT USE

When canceling it, execute the command below.

[Command] WDT NOTUSE

Note, when executing WDT NOTUSE, the emulator resets the MCU to cancel the Watchdog Timer setting.

These precautions only need to be observed when using an emulator, and does not apply for the actual MCU.

Operating Environment of the Included Software Products

The operating environments of the included software products are shown below.

Host machine	IBM PC/AT compatibles
OS	Windows 98, Windows Me, Windows 2000, Windows XP
CPU	Pentium III 600MHz or greater recommended
Memory	128MB or greater recommended

Installing the Included Software Products

- * **If using Windows XP or Windows 2000 as the host machine OS, have the emulator debugger installed by someone of administrator access level. Installation cannot be completed by users with lower access level status.**
- * After inserting the included CD-ROM into the host machine's CD-ROM drive, the installation window will open. Select the product to be installed and click "Install" button. Then, install the software as instructed by the displayed messages.
- * **If the professional version of the M3T-NC308WA is already installed, do NOT install the M3T-NC308WA (evaluation version) included with this product and use the professional version of the M3T-NC308WA.**

Precautions for Using the Included Software Products

- (1) Release notes are installed during the software installation. Read it before using the software product.
- (2) Electronic manuals and release notes are included in the software package. Acrobat Reader 4.0 or later, or Adobe Reader is needed to view these manuals. The latest version of Adobe Reader can be downloaded from Adobe Systems website (<http://www.adobe.com/>). Acrobat and Adobe are registered trademarks of Adobe Systems Incorporated.

For the Latest Information

Visit our website (URL below). Please use this website providing the latest information of Renesas tool products. For the C compiler M3T-NC308WA (evaluation version), refer to information of the professional version of the M3T-NC308WA.

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

To Contact Us

For the emulator M30850T2-CPE and emulator debugger, fill in the text file which is downloaded from the following page, then send the information to your local distributor.

<http://tool-support.renesas.com/eng/toolnews/registration/support.txt>

We cannot answer any technical question about evaluation version of the C compiler of the M3T-NC308WA.