

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

M30870T2-CPE Release Notes - Read this before using this product -

Renesas Solutions Corp.

Thank you for purchasing the M30870T2-CPE compact emulator. This document contains the information necessary for using this product. Be sure to read this before using the product.

Introduction

The M30870T2-CPE is a compact emulator for the M32C/87 Group of Renesas 16-bit MCUs. This product consists of the following three products.

- (1) Emulator M30870T2-CPE
Compact emulator (board) for the M32C/87 Group.
- (2) M32C Compact emulator debugger
Control software specifically designed for the M30870T2-CPE emulator.
- (3) C compiler: M3T-NC308WA (evaluation version)
This version is a limited version of the C compiler M3T-NC308WA (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.
Note that separate marketing of the C compiler package M3T-NC308WA has been discontinued, and the three C compiler packages for the R8C and M16C MCU families have been integrated into one set and published under the name of "C Compiler Package for R8C and M16C Families" (R0C52100XSW05R).
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 M30870T2-CPE | >> H/W Tool Customer Registration Sheet |
| ▼ | |
| 3. Install emulator debugger and compiler | >> "Installing the Included Software Products" (next page) |
| ▼ | |
| 4. Setup hardware | >> M30870T2-CPE User's Manual "Chapter 2. Setup" |
| ▼ | |
| 5. Turn on the emulator | >> M30870T2-CPE User's Manual "Chapter 2. Setup" |
| ▼ | |
| 6. Startup the High-performance Embedded Workshop and emulator debugger | >> M30870T2-CPE User's Manual "Chapter 3. Usage" |
| ▼ | |

7. For usage of each product

>> For the M30870T2-CPE, refer to the "M30870T2-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	M30870T2-CPE emulator main unit	1
	Oscillator circuit board OSC-3 (32MHz, mounted on the M30870T2-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	M30870T2-CPE Release Notes (this document)	1
9	M30870T2-CPE Release Notes (Japanese)	1
10	M30870T2-CPE User's Manual (English)	1
11	M30870T2-CPE User's Manual (Japanese)	1
12	CD-ROM - M32C Compact emulator debugger - C compiler M3T-NC308WA (evaluation version)	1

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

Notes on Using This Product

- (1) Two types of MCU file are available for this product. Please use one of them as occasion demands. For details on the MCU file, refer to "2.9.1 (3) Notes on Switch SW5" of the M30870T2-CPE User's Manual.
- (2) If using this product when the voltage of VCC1 is higher than that of VCC2, the CPU clock must be 24MHz or less.
- (3) If using a CPU clock of more than 24MHz, set the SFR area of the intelligent I/O function to 2 wait (set the PM13 bit to "1") when reading this area.
 - * Precautions (2) and (3) only need to be observed when using an emulator, and does not apply for the actual MCU.
- (4) Please be sure to use the M32C Compact emulator debugger included with the product. If you use your "M3T-PD308MF" continuously, MCU file and firmware file need to be upgraded. Download the MCU and firmware files from the website below. Please be sure to read "A Note of Using M30870T2-CPE and the Download Files".

<http://tool-support.renesas.com/eng/toolnews/n060201/download.htm>

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® 2000, Windows® XP
CPU	Pentium III 600MHz or greater recommended
Memory	128MB or greater recommended

Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and other countries.

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. To view electronic documents, download Adobe® Reader® from Adobe Systems website (<http://www.adobe.com/>).
Adobe and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

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/tools>

To Contact Us

For the emulator M30870T2-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.