

RENESAS TOOL NEWS on November 16, 2005: RSO-M3062PT3-CPE-051116D

## The Compact Emulator for the M16C/62P and M16C/30P MCU Groups --M3062PT3-CPE--Released

We released the M3062PT3-CPE compact emulator. This emulates the M16C/62P and M16C/30P groups of MCU.

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### 1. Outline

The M3062PT3-CPE is a compact emulator with real-time trace capabilities and is used for the M16C/62P and M16C/30P groups of MCUs.

With the product package are included such software tools as an integrated development environment, a C compiler, an assembler, an emulator debugger, so you can start developing and debugging\* your application programs immediately after getting and unpacking the product.

\* To debug programs, the optional converter board for connecting the target MCU is required in addition to the compact emulator (see Section 3.2 later).

And, if you use the emulation memory board R0E33062PMSRC0 (optional) in combination with the compact emulator, you can utilize emulation memory at debugging by allocating a portion of the target MCU's external area\* to it.

\* A memory area of the target MCU for accessing external memory

For the emulation memory board, see its datasheet and see Section 3.3 later.

The product provides the following features:

- o Fundamental debugging functions much enhanced.
- o Real-time trace capabilities supported.
- o Compactly designed in size.
- o Programming and debugging tools included.
- o Economical-priced
- o USB (USB 1.1 full-speed) supported. (Also can be connected to host machines

equipped with the USB 2.0 interface.)

## 2. The Contents of the Product Package

- (1) A compact emulator--M3062PT3-CPE
- (2) An evaluation MCU (already mounted)
- (3) Two oscillator boards
  - OSC-3 (for the 16-MHz main clock; already mounted)
  - OSC-2 (for main clocks)
- (4) A USB interface cable (1.8 m)
- (5) A power cable (30 cm; no power supply included)
- (6) An M16C R8C compact emulator debugger  
This is a set of debugging programs for controlling the M3062PT3-CPE compact emulator and runs on the High-performance Embedded Workshop.
- (7) A C compile package--evaluation version of M3T-NC30WA  
This is an evaluation version of the C compiler for the M16C series of MCUs. It is provided with the same functionality as the commercial version except that link size will be restricted to 64 Kbytes on and after the 61st day from when you begin using the compiler. Also note that it is not provided with any of such services as technical support, fixing of problems, and revision.
- (8) A user's manual

For details of the specifications, see its datasheet.

## 3. Ordering Information

If you place an order for the product, please supply the following items of information to your local Renesas Technology sales office or distributor; and for the price of the product, also contact them:

### 3.1 M3062PT3-CPE Only (without Optional Converter Board)

Product Type	Type Name	Comment
M3062PT3-CPE	M3062PT3-CPE	None

### 3.2 Combination of M3062PT3-CPE and Optional Converter Board

The set of the M3062PT3-CPE and an optional converter board are available for four types of package as shown below. These converter boards are currently available ones. For how to order any of them separately, contact your local Renesas

Technology sales office or distributor.

- (1) Set for 80-pin 0.65-mm-pitch QFP package--PRQP0080JA-A (previous 80P6S-A)

<b>Product Type</b>	M3062PT3-CPE-1
<b>Contents</b>	M3062PT3-CPE and converter board M3062PT-80FPB

- (2) Set for 100-pin 0.65-mm-pitch QFP package--PRQP0100JB-A (previous 100P6S-A)

<b>Product Type</b>	M3062PT3-CPE-2
<b>Contents</b>	M3062PT3-CPE, converter board M30800T-PTC, and IC socket IC61-1004-051

- (3) Set for 100-pin 0.5-mm-pitch LQFP package--PLQP0100KB-A (previous 100P6Q-A)

<b>Product Type</b>	M3062PT3-CPE-3
<b>Contents</b>	M3062PT3-CPE and converter board M3T-F160-100NSD

- (4) Set for 128-pin 0.5-mm-pitch LQFP package--PLQP0128KB-A (previous 128P6Q-A)

<b>Product Type</b>	M3062PT3-CPE-4
<b>Contents</b>	M3062PT3-CPE and converter board M3T-FLX-128NRD

<b>Product Type</b>	<b>Type Name</b>	<b>Comment</b>
M3062PT3-CPE-1	M3062PT3-CPE-1	None
M3062PT3-CPE-2	M3062PT3-CPE-2	None
M3062PT3-CPE-3	M3062PT3-CPE-3	None
M3062PT3-CPE-4	M3062PT3-CPE-4	None

### 3.3 Emulation memory board for the M3062PT3-CPE compact emulator

<b>Product Type</b>	<b>Type Name</b>	<b>Comment</b>

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