RENESAS Tool News

Compact Emulator for the M32C/87 Group --M30870T2-CPE--Released

We have released the compact emulator for the M32C/87 group of MCUs, M30870T2-CPE.

1. **Outline**

   The M30870T2-CPE compact emulator is used for the M32C/87 group, M32C/80 series of MCUs and provided with real-time trace functions.

   With the product package are included such software tools as a C compiler package (evaluation version) and an emulator debugger, so you can start developing and debugging your application programs immediately after getting and unpacking the product.

   Its features are as follows:

   (1) Fundamental debugging functions much enhanced.

   (2) Real-time trace functions supported.

   (3) Compactly designed in size.

   (4) Programming and debugging tools included.

   (5) Economical-priced.

   (6) USB (USB 1.1 full-speed) supported. (Also can be connected to host machines equipped with the USB 2.0 interface.)

2. **Operating Conditions**

   The compact emulator operates at:
   - a maximum clock frequency of 32 MHz within a range of system voltages to target of 4.2--5.5 V, or
   - a maximum clock frequency of 24 MHz within a range of system voltages to target of 3.0--5.5 V

   NOTICE: If VCC1 > VCC2, the maximum of operating clock frequencies is 24 MHz.

3. The Contents of the Product Package

(1) A compact emulator--M30870T2-CPE

(2) An evaluation MCU (already mounted)

(3) A converter board--M30800T-PTC--for connecting a 100-pin 0.65-mm-pitch QFP package

(4) A 100-pin 0.65-mm-pitch IC socket--IC61-1004-051--manufactured by Yamaichi Electronics Co., Ltd.

(5) Two oscillator boards
   - OSC-3 for the 32-MHz main clock (already mounted)
   - OSC-2 for main clocks

(6) A USB interface cable (1.8 m)

(7) A power cable (30 cm; no power supply included)

(8) An emulator debugger--M3T-PD308MF (specific to the compact emulator)

(9) A C compiler package--M3T-NC308WA (evaluation version)*

(10) A user's manual

* Including a C compiler, an assembler, and an integrated development environment (High-performance Embedded Workshop).

For further information on the specifications of the product, see its datasheet.

4. 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:

Product Type	M30870T2-CPE
Type Name	M30870T2-CPE
Comment	None

For the price of the product, contact your local Renesas Technology sales office or distributor.

5. Other

This product cannot be exported to the countries where the bearing of the CE marking is

necessary. Now we are making arrangements for obtaining the CE marking in this July. So when we have obtained the marking, we will inform you of it on our news.