# RENESAS Tool News

## The Compact Emulator for the 455A MCU Group -- M3455AT2-CPE--Released

We have released the compact emulator M3455AT2-CPE, which is used for the 455A group, 4500 series, 720 family of MCUs.

### 1. Outline of the Product

The M3455AT2-CPE, a compact emulator with real-time tracing capabilities, is provided with the following features:
- Fundamental debugging capabilities much enhanced.
- Real-time tracing capabilities supported.
- Compactly designed in size.
  (The dimensions of the emulator body are 120 mm in width, 85 mm in depth, and 30 mm in height.)
- Economical-priced
- Software tools for programming and debugging included.
- USB (USB 1.1 full-speed) supported for the interface to the host PC.
  (Also can be connected to host machines equipped with the USB 2.0 interface.)

For further information on the specifications of the product, please see its datasheet from the Web site at
   http://www.renesas.com/m3455at2_cpe

### 2. The Contents of the Product Package

(1) A compact emulator--M3455AT2-CPE
(2) An evaluation MCU--M3455AGCEFP (already mounted)
(3) A USB interface cable (1.5 m)
(4) A power cable (30 cm; no power supply included)
(5) An external tracing cable
(6) A 64-wire half-pitch cable
(7) A converter board--M34559T-PTCA--for connecting the 64-wire
   half-pitch cable to the 52-pin 2.54-mm-pitch DIP package

(8) Two oscillator boards
- OSC-2 for the 6-MHz main clock (already mounted)
- OSC-2 for another main clock (bare board)
(9) An emulator debugger--M3T-PD45M (absolute assembler ASM45 included)
(10) A user's manual

## 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:

| Product Type: | M3455AT2-CPE |
|---|---|
| Type Name: | As above |

For the price of the product, also contact the above sales office or distributor.

NOTICE:
This product cannot be exported to the countries where the CE marking is required.

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