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# R0E521237CPE00

R0E521237CPE00



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## Tool Stock and Availability

Please contact your distributor for the orderable part number for this device.

### Target Devices

- ? M16C Family R8C/Tiny Series R8C/20, R8C/21, R8C/22, R8C/23 Groups PLQP0048KBA \*Previous code : 48P6Q (48-pin 0.5mm pitch LQFP)

### Overview

Available at affordable prices though, the Renesas' compact emulator has all the needed for the actual development, such as trace and hardware breaks. The emul main unit comes in a significantly reduced size, compared with conventional emul

This set package includes the compact emulator and a converter board for the tai so, you can program and debug your applications as soon as you open the packa



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### Components

This set package consists of two product packages shown below. These product packages are also available alone respectively. For details, refer to the information page of each product.

- ? [R0E521000CPE00](#) Compact emulator (Includes development software tools.)



- ? [R0E521237CFK00](#) Converter board for PLQP0048KBA (Comes with connecting accessories.) \*Previous code : 48P6Q (48-pin 0.5mm pitch LQFP)



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### Connection to Target System



For more detailed connection information, refer to the following.

- ? Refer to the User's Manual.
  1. Click the **Documentation** button in the left menu (on this page).
  2. Click "R0E521000CPE00 User's Manual".
- ? Refer to the connection flow with option products (accessories).
  1. Click the **Emulator Options** button in the left menu.
  2. Choose "M16C Family" , "R8C/Tiny Series" followed by a type of the group you would like to use, and click "Display results".

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### System Configuration



#### PC Interfaces

- ? USB interface (USB1.1, Full Speed)
  - \* Connectable to PC with a USB 2.0 port.

#### Operating Environment

- ? IBM PC/AT compatibles (Windows XP, Windows 2000)

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### Upgrade Information

#### [Latest Version]

- ? **Released Date** 1. July, 2007
- ? **Software name** M16C R8C Compact Emulator Debugger
- ? **Version** V.1.03 Release 00
- ? **New feature(s)**
  - ? Comes with [Highperformance Embedded Workstation V4.03.00](#)
  - ? [Disconnect] function
  - ? Assignment function of instruction format specifier in disassembly
  - ? Assignment function of instruction format specifier in disassembly
  - ? Data trace window
  - ? Supported MCU Addition
    - ? R8C/20, /21, /22, /23 Group : MCU files for ROM 96KB version and 128KB version
    - ? R8C/24, /25 Group : MCU file for ROM 24KB version
    - ? R8C/2A, /2B, /2C, /2D Group : All MCU files
  - ? Some more improvements

For details, see [ToolNews](#)

#### [How to upgrade to the latest version]

Download free updates from the [download](#) page. It is not upgradeable from any previous versions.

#### [Emulator Firmware Latest Version]

**Notes** Firmware files and MCU files differ according to emulators and MCUs. Please refer to information concerns with your product.

#### ? Firmware file for R0E521000CPE00

- ? Upgrading a debugger of your emulator to the latest version also upgrades the firmware file.

#### ? Firmware file for M3062PT3-CPE

- ? Upgrading a debugger of your emulator to the latest version also upgrades the firmware file.

#### ? Firmware file for M3028BT2-CPE

- ? Upgrading a debugger of your emulator to the latest version also upgrades the firmware file.

#### ? Firmware file for M30290T2-CPE (discontinued)

- ? Upgrading a debugger of your emulator to the latest version also upgrades the firmware file.