

To our customers,

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## Old Company Name in Catalogs and Other Documents

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On April 1<sup>st</sup>, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

April 1<sup>st</sup>, 2010  
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

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# RENESAS TECHNICAL UPDATE

Classification of Production	Development Environment		No	TN-CSX-053A/E	Rev	1
THEME	H8S,H8/300 series C/C++ compiler package Ver.5.0.05 Updates		Classification of Information	① Spec change 2. Supplement of Documents 3. Limitation of Use 4. Change of Mask 5. Change of Production Line		
PRODUCT NAME	PS008CAS5-MWR	Lot No.	Reference Documents	H8S,H8/300 series C/C++ Compiler Assembler Optimizing Linkage Editor User's Manual ADE-702-247A Rev.2.0	term of validity	
		All			Eternity	

H8S,H8/300 series C/C++ compiler package is updated in Ver.5.0.05.

Refer to the attached document, PS008CAS5-030801E, for details.

Inform the customers who have the package version in the table below.

	Package version	Compiler version
P0700CAS7-MWR	5.0	4.0B
	5.0.01	4.0B
	5.0.02	4.0.03
	5.0.03	4.0.04
	5.0.04	4.0.04

Attached: PS008CAS5-030801E

H8S,H8/300 series C/C++ Compiler Package

Ver.5.0.05 Updates

## **H8S,H8/300 series C/C++ Compiler Package Ver. 5.0.05 Updates**

The contents of updates in this package are shown below.

### 1. High-performance Embedded Workshop

#### 1.1 Navigation feature improvement

C++ navigation feature is available.

#### 1.2 Supporting smart editor

When you enter ".", "->" or ":::", smart editor shows the member variable and function list.

You can also select member in the list. When you enter "(" after function name, parameter list will be shown.

#### 1.3 Supporting Network database

When you use HEW via network, you can specify the access right.

#### 1.4 Makefile import feature

When you create a new project workspace, Hew can import the source files path from makefile.

But toolchain's options are not supported.

#### 1.5 Synchronized debugging feature

Hew can connect two or more targets at the same time and you can debug them as synchronized.

#### 1.6 Workspace improvement

One workspace can have different toolchains project.

You can choose the version if HEW has different version toolchains.

#### 1.7 Introducing Manual Navigator

Manual Navigator can show the list of manuals.

#### 1.8 Supporting file comparison feature

File comparison view is available. It can shows difference between two files.

#### 1.9 Supporting TCL and TK window

Script file which is written by TCL/TK script language can be executed.

#### 1.10 Typelibrary improvement

Workspace operations, project operations and debugger operations interfaces are available.

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Workspace operations, project operations and debugger operations interfaces are available.

#### 1.12 Adding and Modifying the Data Generated by the Project Generator

Project generation of the following CPU has been newly added:

H8/36014F, H8/3694F

The I/O definition file (iodefine.h) of the following CPU has been modified:

H8S/2670, H8S/2673, H8S/2675, H8S/2676, H8S/2676F, H8S/2677, H8S/2677F,  
H8S/2158F, H8S/2352, H8S/2353, H8S/2355, H8S/2357, H8S/2357F, H8S/2367F,  
H8S/2375R, H8S/2377R, H8/3044, H8/3045, H8/3047, H8/3048, H8/3048F

## 2. H8S,H8/300 Series simulator/debugger

### 2.1 Improvement of Memory window Look&Feel

Redesigning the memory window and Look&Feel is improved.

### 2.2 Improving the command line window

When you enter some part of command, it shows list of command which depends upon your input.  
And more, command parameter hint is available.

### 2.3 Coverage enhancement

It shows coverage statistics and measures file basis coverage.

### 2.4 Image and Wave Window improvement

Image and Waveform window can be updated interval during user program executing.

### 2.5 Trigger enhancement

You can set up to 256 triggers.

### 2.6 Register window customization

You can choose which registers are visible on register window.

### 2.7 Watch window improvement

Watch window has four panes.

### 2.8 Supporting downloading with specific access size

When HEW downloads the load module to memory with access size which you can specify.

### 2.9 Introducing Event window

Event window is replaced Break points window.

### 2.10 Improve memory map setting

Memory map and Memory resource are merged one dialog.