

[Released on the Web]

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## CcnvCA78K0R

### C Source Code Converter for the RL78 Family

#### Outline

The CcnvCA78K0R C source code converter will be released on the Web. This program converts files of C source code created in a development environment with the CA78K0R or CC78K0R compiler for the RL78 family/78K0R microcontrollers into files of C source code for the CC-RL compiler for the RL78 family. We supply the product free of charge.

#### 1. Outline of the Product

The CcnvCA78K0R is a C source code converter that converts the following types of files into C source code for the CC-RL compiler for the RL78 family.

➤ Applicable C source programs

CcnvCA78K0R accepts C source programs created in development environments with the following C compilers as inputs.

- CA78K0R C compiler for the RL78 family and 78K0R groups
- CC78K0R C compiler for the 78K0R groups

The CcnvCA78K0R converts extended specifications in C source programs for the CA78K0R and CC78K0R compilers into extended specifications for CC-RL. The CcnvCA78K0R then generates files of C source code for CC-RL.

This product supports the porting of C source files from the CA78K0R or CC78K0R compiler to CC-RL. Since we do not guarantee the correct operation of programs converted by CcnvCA78K0R, be sure to check the operation of the C source files after conversion.

Refer to the User's Manual for details of CcnvCA78K0R. This information will be available from April 5.

<http://www.renesas.com/search/keyword-search.html?q=r20ut3598ej&genre=document>

- CcnvCA78K0R C Source Converter User's Manual

#### 2. Features

CcnvCA78K0R is easy to run from the command line of Windows®.

Example of execution:

```
> CcnvCA78K0R input.c -o=output.c
```

Remarks:

CcnvCA78K0R: Command to run CcnvCA78K0R

input.c: Name of input file

output.c: Name of generated file

Example of input file: input.c

```
#pragma sfr
char c;
void main(void)
{
    c = P0;
}
```

Example of generated file: output.c

```

/* CA78K0R C Source Converter V1.00.00.10 [22 Feb 2016] */
/*****
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*****/
//[CcnvCA78K0R]
#include "iodefine.h"

//[CcnvCA78K0R] #pragma sfr
char c;
void main(void)
{
    c = P0;
}

```

#pragma sfr is commented out of the generated file (C source program for CC-RL) and #include "iodefine.h" is added.

### 3. Operating Environment

- Windows® 10 (32-bit edition, 64-bit edition)
- Windows® 8.1 (32-bit edition, 64-bit edition)
- Windows® 7 (32-bit edition, 64-bit edition)

### 4. Obtaining the Product

Obtain the converter from the URL below. This product will be available from April 5.

[http://www.renesas.com/convert\\_cc\\_compiler](http://www.renesas.com/convert_cc_compiler)

- Downloadable executable file for CcnvCA78K0R: CcnvCA78K0R.exe

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Apr. 01, 2016	-	First edition issued

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<http://www.renesas.com/en-hq/support/contact.html>

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