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Chapter 1. Introduction

Application Leading Tool(Applilet) for RX is a software tool to generate device driver code for on-chip peripherals. It generates device driver codes using user settings through GUI. Initialize code and API functions are provided.

Chapter 2. Target Devices

| Below is a list of devices supported by the Applilet for RX V1.00.00 | |
|--|---|
| PIN | Device name |
| 36pin | R5F5111JaxLM, R5F5111AxLM, R5F51113AxLM |
| 40pin | R5F5111JaxNF, R5F5111AxNF, R5F51113AxNF |
| 48pin | R5F5111JaxFL, R5F5111JaxNE, R5F5111AxFL, R5F5111AxNE R5F51113AxFL, R5F51113AxNE, R5F51114AxFL, R5F51114AxNE R5F51115AxFL, R5F51115AxNE |
| 64pin | R5F5111AxFM, R5F5111AxFK, R5F5111AxLF, R5F51113AxFM R5F51113AxFK, R5F51113AxLF, R5F51114AxFM, R5F51114AxFK R5F51114AxLF, R5F51115AxFM, R5F51115AxFK, R5F51115AxLF |
| Following documents. | |
| Manual Name | Document Number |
| RX111 Group User's Manual: Hardware | R01UH0365JJ0100 Rev.1.00 |
| | R01UH0365EJ0100 Rev.1.00 |

Chapter 3. Operating Environment

▪ Host machine

- IBM PC/AT compatibles (Windows® 7, Windows Vista®)
- Processor: 1 GHz or higher (must support hyper-threading, multi-core CPUs)
- Memory capacity: 2 GB or more recommended. Minimum requirement is 1 GB or more (64-bit Windows requires 2 G or more)
- Hard disk capacity: 200 MB or more spare capacity
- Display: 1024 x 768 or higher resolution, 65,536 or more colors
- Interface: USB 2.0
- All other necessary software environments in addition to WindowsOS
 - .NET Framework version4.0
 - Microsoft Visual C++ 2010 SP1 runtime library

▪ Development Environments

| Product Name | Version |
|---------------------------------------|----------------------|
| IAR Embedded Workbench for Renesas RX | V2.42.2 or later |
| e ² studio | V2.00.00.16 or later |
| GNURX | v12.03 or later |

Chapter 4. Cautions

This section describes cautions for using Applilet for RX.

4.1 Cautions List

| No | Description | V1.00.00 |
|----|---|----------|
| 1 | Cautions of USB. | ○ |
| 2 | Cautions of online Help | ○ |
| 3 | Cautions of the IAR Embedded Workbench for Renesas RX V2.42.1 | ○ |
| 4 | Cautions of Serial Communications Interface Asynchronous Mode | ○ |
| 5 | Cautions of Low Power Consumption | ○ |

○ : Correspondence, ✕: Not correspondence

4.2 Cautions Details

4.2.1 Cautions of USB

Applilet for RX is not supporting the USB.

[Workaround] There is no workaround.

4.2.2 About online Help

Applilet for RX is not supporting online help.

[Workaround] There is no workaround.

4.2.3 About the IAR Embedded Workbench

In case of IAR Embedded Workbench for Renesas RX V2.42.1, the following functions cause build error.

- Setting of High-speed On-chip Oscillator
- Setting of I/O port (PortH and PortJ)

[Workaround]

Setting of High-speed On-chip Oscillator

Comment out generated line `SYSTEM.HOCOWTCR.BYTE = xxxx;` in a function

`void R_CGC_Create(void)`

Example

```
void R_CGC_Create(void)
{

    /* Set HOCO wait time */
    SYSTEM.HOCOWTCR.BYTE = _06_CGC_HOCO_WAIT_CYCLE_266;    // This line

}
```

Setting of I/O port (PortH and PortJ)

There is no workaround.

Please use the IAR Embedded Workbench for Renesas RX V2.42.2 or later.

4.2.4 Cautions of Serial Communications Interface Asynchronous Mode

Applilet is Asynchronization Mode of SCI and is not supporting the MTU clock input .

[Workaround] There is no workaround.

4.2.5 Cautions of Low Power Consumption

Applilet for RX is not supporting Low Power Consumption.

[Workaround] There is no workaround.

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