

Contents

Chapter 1. Introduction	2
Chapter 2. Target Devices	3
Chapter 3. Operating Environment.....	4
Chapter 4. Cautions.....	5
4.1 Cautions List.....	5
4.2 Cautions Details	6
4.2.1 Cautions of online Help	6
4.2.2 Restrictions of High-speed on-chip oscillator frequency select register	6
4.2.3 Restriction of standby function	6
4.2.4 Cautions of the LIN-bus function of UART	6
4.2.5 Restriction of SNOOZE mode use	6
4.2.6 Restriction of IICA function.....	6
4.2.7 Restriction of the input switch control register (ISC)	6

Chapter 1. Introduction

Application Leading Tool for RL78 (Applilet for RL78) 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 RL78/L13 V1.01.00.01	
PIN	Device name
64pin	R5F10WLA, R5F10WLC, R5F10WLD, R5F10WLE, R5F10WLF, R5F10WLG
80pin	R5F10WMA, R5F10WMC, R5F10WMD, R5F10WME, R5F10WMF, R5F10WMG
Following documents.	
Manual Name	Document Number
RL78/L13 User's Manual: Hardware	R01UH0382JJ0090 Rev.1.00
	R01UH0382EJ0090 Rev.1.00

Below is a list of devices supported by the Applilet for RL78/G1E V1.01.00.01	
PIN	Device name
64pin	R5F10FLC, R5F10FLD, R5F10FLE
80pin	R5F10FMC, R5F10FMD, R5F10FME
The Code Generator is based on the following documents	
Manual Name	Document Number
RL78/G1E User's Manual: Hardware	R01UH0353JJ0100 Rev.1.00

Below is a list of devices supported by the Applilet for RL78/G10 V1.01.00.01	
PIN	Device name
10pin	R5F10Y14, R5F10Y16
The Code Generator is based on the following documents	
Manual Name	Document Number
RL78/G10 User's Manual: Hardware	R01UH0384JJ0100 Rev.1.00
	R01UH0384EJ0100 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 RL78	V1.30 or later
e ² studio	V2.00.00.16 or later
KPIT GNURL78	v12.01 or later

Chapter 4. Cautions

This section describes cautions for using Applilet for RL78.

4.1 Cautions List

No	Description	Corresponds of Applilet		
		RL78/G10 V1.01.00.01	RL78/G1E V1.01.00.01	RL78/L13 V1.01.00.01
1	Cautions of online Help	○	○	○
2	Restrictions of High-speed on-chip oscillator frequency select register	○	○	○
3	Restriction of standby function	○	○	○
4	Cautions of the LIN-bus function of UART	✕	○	○
5	Restriction of SNOOZE mode use	✕	○	○
6	Restriction of IICA function	○	○	○
7	Restriction of the input switch control register (ISC)	✕	○	○

○ : Correspondence, ✕: Not correspondence

4.2 Cautions Details

4.2.1 Cautions of online Help

Applilet is not supporting online help.

[Workaround]

There is no workaround.

4.2.2 Restrictions of High-speed on-chip oscillator frequency select register

Applilet is not equivalent to a setup of high-speed on-chip oscillator frequency select register

[Workaround] There is no workaround.

4.2.3 Restriction of standby function

Applilet is not supporting the HALT and STOP mode of a standby function.

[Workaround] There is no workaround.

4.2.4 Cautions of the LIN-bus function of UART

Applilet is not supporting the LIN-Bus function of UART. Moreover, detection of the LIN communication Wakeup signal of INTP0 is not been supported.

[Workaround] There is no workaround.

4.2.5 Restriction of SNOOZE mode use

Applilet is not supporting the interruption classification setup at the time of SNOOZE mode use of UART or CSI.

[Workaround] There is no workaround.

4.2.6 Restriction of IICA function

Applilet is not supporting the extension code and multi-master function of IICA.

[Workaround] There is no workaround.

4.2.7 Restriction of the input switch control register (ISC)

Applilet is not supporting the input change to the timer array unit and external interrupt by an input change control register (ISC). is not supported the extension code and multi-master function of IICA.

[Workaround] There is no workaround.

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